Supplemental material for Amiot et al.: Observed impacts of aerosol concentration on maritime tropical convection within constrained environments using airborne radiometer, radar, lidar, and dropsondes

| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
|--|--|---|---|--|--|---|---|--|--|--|--|--|--|---|---|---|
| E | -0.09 (30) | 0.03 (32) | -0.14 (30) | -0.11 (32) | -0.02 (33) | -0.04 (35) | н | <u>د</u> | -0.04 (33) | 0.05 (35) | -0.06 (33) | -0.05 (35) | -0.01 (36) | -0.02 (38) | н | |
| 1 kr | -0.22 (61) | -0.12 (65) | -0.20 (61) | -0.17 (65) | -0.06 (69) | -0.12 (73) | м | 0.010 | -0.21 (41) | -0.15 (43) | -0.20 (41) | -0.19 (43) | 0.02 (45) | -0.08 (47) | м | 0.010 |
| P- | 0.17 (11) | 0.21 (14) | 0.30(11) | 0.32 (14) | 0.32 (11) | 0.42 (14) | L | P P | -0.16 (28) | -0.05 (33) | -0.14 (28) | -0.08 (33) | -0.10 (32) | -0.08 (37) | L | |
| Po | -0.10 (45) | 0.00 (49) | -0.08 (45) | -0.08 (49) | 0.04 (49) | -0.01 (53) | н | e e | -0.09 (34) | 0.02 (37) | -0.13 (34) | -0.12 (37) | 0.03 (37) | -0.03 (40) | 1. | |
| S hi | 0.26 (20) | 0.26 (41) | 0.27 (20) | 0.30 (41) | 0.10 (45) | 0.22 (47) | M | - 0.013 | 0.11 (25) | 0.02 (28) | 0.10 (25) | 0.04 (39) | 0.02 (40) | 0.01 (42) | M | - 0.013 |
| 6 P | 0.30 (33) | -0.20 (41) | 0.37 (39) | -0.30 (41) | -0.19 (45) | -0.23 (47) | | 26 5 | -0.11 (33) | -0.02 (30) | -0.10 (33) | -0.04 (30) | 0.03 (40) | 0.01 (43) | 1 | |
| 2 | 0.28 (18) | 0.46 (21) | 0.31 (18) | 0.33 (21) | 0.09 (19) | 0.19 (22) | | | -0.24 (33) | -0.14 (36) | -0.22 (33) | -0.17 (36) | -0.15 (36) | -0.16 (39) | - | |
| 10 | -0.13 (11) | -0.14 (11) | -0.03 (11) | -0.01 (11) | 0.24 (11) | 0.04 (11) | н | | -0.13 (13) | -0.15 (13) | -0.03 (13) | -0.01 (13) | 0.25 (13) | 0.03 (13) | н | |
| 0-50 | -0.23 (18) | -0.05 (18) | -0.20 (18) | -0.18 (18) | 0.16 (19) | 0.14 (19) | м | - 0.020 9 | -0.21 (15) | -0.00 (15) | -0.17 (15) | -0.14 (15) | 0.21 (16) | 0.20 (16) | м | - 0.020 |
| 70 | 0.11 (10) | -0.01 (13) | 0.07 (10) | 0.16 (13) | 0.10 (10) | 0.16 (13) | L | ient 70 | 0.11 (11) | -0.01 (14) | 0.04 (11) | 0.09 (14) | 0.09 (11) | 0.11 (14) | L | ient |
| Ч | -0.03 (5) | 0.82 (5) | 0.91 (5) | 0.84 (5) | 0.89 (5) | 0.92 (5) | н | effic | -0.00 (12) | 0.17 (12) | 0.05 (12) | 0.08 (12) | 0.33 (12) | 0.31 (12) | н | sflic |
| 500 | -0.10 (27) | -0.03 (28) | -0.07 (27) | -0.06 (28) | 0.26 (28) | 0.11 (29) | м | - 0.040 0 8 | -0.20 (14) | -0.18 (15) | -0.18 (14) | -0.14 (15) | 0.15 (14) | -0.11 (15) | м | - 0.040 Š |
| 850 | -0.38 (7) | -0.05 (9) | -0.15 (7) | 0.32 (9) | 0.68 (7) | 0.47 (9) | L | B50- | -0.23 (13) | -0.05 (15) | -0.31 (13) | -0.01 (15) | -0.24 (14) | -0.05 (16) | L | tion |
| 4 | -0.51 (5) | -0.30 (8) | -0.45 (5) | -0.45 (8) | 0.01(7) | -0.21 (10) | н | R lela | 0.06 (29) | 0.06 (36) | 0.04 (29) | 0.04 (36) | 0.16 (32) | 0.08 (39) | 1н | relat |
| 100 | -0.15 (53) | -0.10 (59) | -0.14 (53) | -0.12 (59) | -0.06 (59) | -0.10 (65) | M | Linf 00 | -0.30 (36) | -0.19 (38) | -0.28 (36) | .0.22 (38) | -0.18 (42) | -0.19(44) | M | Linf D |
| 50-7 | -0.13 (33) | -0.10 (33) | -0.14 (33) | -0.12 (33) | -0.00 (33) | -0.10 (05) | | non 100 | 0.05 (07) | 0.12 (37) | -0.20 (30) | -0.22 (30) | -0.10 (42) | -0.13 (44) | 17 | 5 |
| 8 | -0.02 (44) | 0.12 (44) | -0.05 (44) | 0.02 (44) | -0.10 (45) | -0.13 (45) | 5 | ears | -0.05 (37) | 0.13 (37) | -0.12 (37) | -0.01 (37) | -0.13 (37) | -0.17 (37) | - <u>5</u> | ears |
| lex | -0.06 (17) | -0.09 (18) | 0.00 (17) | -0.01 (18) | 0.28 (17) | 0.14 (18) | н | E A | -0.06 (14) | -0.11 (14) | -0.01 (14) | -0.04 (14) | 0.25 (14) | 0.05 (14) | н | E |
| k-Inc | 0.04 (13) | 0.33 (15) | 0.01 (13) | 0.18 (15) | 0.00 (13) | 0.19 (15) | м | - 0.040 g | 0.19 (13) | 0.64 (16) | 0.10 (13) | 0.27 (16) | 0.07 (13) | 0.31 (16) | M | - 0.040 ይ |
| | -0.58 (9) | -0.54 (9) | -0.54 (9) | -0.55 (9) | 0.32 (10) | -0.14 (10) | L | alue | -0.37 (12) | -0.36 (12) | -0.28 (12) | -0.26 (12) | 0.13 (13) | -0.10 (13) | L | alue |
| ± | -0.30 (19) | -0.22 (21) | -0.26 (19) | -0.20 (21) | -0.10 (20) | -0.06 (22) | н | E P. | -0.25 (39) | -0.16 (41) | -0.24 (39) | -0.19 (41) | -0.08 (40) | -0.07 (42) | н | P-Vi |
| CLA | -0.14 (48) | -0.08 (52) | -0.13 (48) | -0.11 (52) | -0.00 (56) | -0.04 (60) | м | - 0.020 | -0.09 (27) | -0.06 (31) | -0.05 (27) | -0.05 (31) | 0.06 (35) | -0.04 (39) | м | - 0.020 |
| 2 | 0.15 (35) | 0.20 (38) | 0.13 (35) | 0.14 (38) | -0.02 (37) | -0.05 (40) | L | | 0.15 (36) | 0.20 (39) | 0.13 (36) | 0.14 (39) | -0.02 (38) | -0.05 (41) | L | |
| | 0.06 (16) | 0.11 (18) | 0.08 (16) | 0.10 (18) | 0.26 (16) | 0.23 (18) | н | | -0.20 (36) | -0.10 (40) | -0.24 (36) | -0.18 (40) | -0.10 (37) | -0.10 (41) | 1н | |
| APE | -0.25 (40) | -0 15 (44) | -0.28 (40) | -0.24 (44) | -0.06(41) | -0.09(45) | м | APE | -0.25 (35) | -0.14 (37) | -0.23 (35) | -0.20 (37) | -0.08 (38) | -0.13 (40) | м | |
| U | 0.06 (46) | 0.07 (40) | 0.02 (46) | 0.06 (40) | 0.02 (56) | 0.05 (50) | | - 0.013 (| 0.02 (31) | 0.15 (24) | 0.11 (31) | 0.12 (24) | 0.11 (28) | 0.04 (41) | 1. | - 0.013 |
| | *0.00 (40) | 0.07 (49) | 0.03 (40) | 0.00 (49) | 0.03 (30) | -0.03 (33) | | | 0.02 (31) | 0.13 (34) | 0.11 (31) | 0.15 (34) | 0.11 (38) | 0.04 (41) | 15 | |
| N Pa W | -0.58 (15) | -0.41 (16) | -0.60 (15) | -0.56 (16) | -0.38 (16) | -0.41 (17) | Н | w ed | -0.27 (31) | -0.17 (35) | -0.22 (31) | -0.19 (35) | -0.08 (34) | -0.13 (38) | H . | |
| 14-01 | -0.10 (58) | -0.04 (64) | -0.09 (58) | -0.08 (64) | -0.01 (62) | -0.04 (68) | м | - 0.010 | -0.14 (35) | -0.07 (38) | -0.16 (35) | -0.13 (38) | -0.03 (36) | -0.04 (39) | M | - 0.010 |
| 2 | -0.12 (29) | 0.05 (31) | -0.12 (29) | -0.04 (31) | -0.06 (33) | -0.07 (35) | L | | -0.12 (36) | 0.04 (38) | -0.10 (36) | -0.04 (38) | -0.07 (41) | -0.08 (43) | L | • |
| | | | | - | | | - | • | | | | | | | | |
| 4 | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 4 | • | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
| 4 | 355-nm AOT 355-nm AOT | 532-nm AOT 532-nm AOT | 355-nm Ext 355-nm Ext | 532-nm Ext 532-nm Ext | 355-nm Bsc 355-nm Bsc | 532-nm Bsc 532-nm Bsc | 4 | • | 355-nm AOT 355-nm AOT | 532-nm AOT 532-nm AOT | 355-nm Ext 355-nm Ext | 532-nm Ext 532-nm Ext | 355-nm Bsc 355-nm Bsc | 532-nm Bsc 532-nm Bsc | | |
| - | 355-nm AOT 355-nm AOT -0.09 (31) | 532-nm AOT 532-nm AOT 0.03 (33) | 355-nm Ext 355-nm Ext -0.14 (31) | 532-nm Ext 532-nm Ext -0.11 (33) | 355-nm Bsc 355-nm Bsc -0.02 (34) | 532-nm Bsc 532-nm Bsc -0.04 (36) | ']н | | 355-nm AOT 355-nm AOT -0.19 (25) | 532-nm AOT 532-nm AOT -0.04 (27) | 355-nm Ext 355-nm Ext -0.21 (25) | 532-nm Ext 532-nm Ext -0.21 (27) | 355-nm Bsc 355-nm Bsc -0.01 (27) | 532-nm Bsc 532-nm Bsc -0.13 (29) | ੇ]ਜ | |
| 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) | н М | - 0.010 E | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) | н | 0.010 |
| T _d 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) | H M | 0.010 | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) | H M | - 0.010 |
| a T _d 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) | H M L | - 0.010 | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) | H M L | - 0.010 |
| 5 hPa T _d 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) | H M L H | - 0.010 | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) -0.05 (24) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) 0.04 (20) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) 0.31 (64) | H M L H | - 0.010 |
| d 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) | H M L H | 0.010 EX | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) -0.28 (55) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) -0.05 (24) -0.26 (55) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) | H M L H | - 0.010 |
| T _d 925 hPa T _d 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) | H M L H L | - 0.010 WY T | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) | H M L H M L | - 0.010 |
| 0 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) | H M H M L H | - 0.010 W [2] | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) -0.07 (9) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) | 355-nm Ext 355-nm Ext -0.21 (25) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.29 (9) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) | H M L H M L H | 0.010 |
| 0-500 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) -0.21 (15) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) -0.17 (15) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) 0.20 (16) | H M H H M | 0.010 497 - 0.013 495 - 0.020 996 | 355-mm AOT 355-mm AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) -0.07 (9) -0.29 (22) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) | 355-nm Ext 355-nm Ext -0.21 (25) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.29 (9) 0.25 (23) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) | H M H M L H M | - 0.010 - 0.013 - 0.020 |
| 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) -0.27 (15) 0.04 (11) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) 0.09 (14) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) 0.20 (16) 0.11 (14) | H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 | 355-m AOT 355-m AOT -0.19 (25) 0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) | 355-nm Ext 355-nm Ext -0.21 (25) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) 0.22 (8) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) 0.48 (11) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.29 (9) 0.25 (23) 0.05 (8) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) | H H H H H H L H L | - 0.010 - 0.013 - 0.020 |
| LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) -0.17 (15) 0.04 (11) 0.79 (7) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) 0.99 (14) 0.81 (7) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.78 (7) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) 0.20 (16) 0.11 (14) 0.93 (7) | H M L H M L H M L H | - 0.010 - 0.013 - 0.010 - 0.01 | 355-m AOT 355-m AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) | 355-nm Ext 355-nm Ext -0.21 (25) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) 0.22 (8) -0.10 (8) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) 0.48 (11) -0.06 (8) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.29 (9) 0.25 (23) 0.05 (8) 0.49 (8) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) 0.31 (8) | H M L H M L H M L H M L H | 0.010 - 0.013 - 0.020 |
| 500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) -0.07 (22) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) -0.17 (15) 0.04 (11) 0.79 (7) -0.07 (22) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) 0.09 (14) 0.81 (7) -0.06 (23) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.78 (7) 0.23 (23) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) 0.20 (16) 0.11 (14) 0.93 (7) 0.06 (24) | H M L H M L H M L H M | - 0.010 W T T Equipies (1) - 0.013 - 0.020 W T T T S C T T T T T T T T T T T T T T T | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.04 (21) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) 0.22 (8) -0.10 (8) -0.05 (21) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) 0.48 (11) -0.06 (8) -0.04 (22) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.29 (9) 0.25 (23) 0.05 (8) 0.49 (8) 0.24 (22) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) 0.31 (8) 0.10 (23) | H M L H M L H M | 0.010 - 0.013 - 0.020 trigging - 0.040 0 |
| 350-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) -0.24 (19) -0.05 (39) -0.33 (41) -0.33 (41) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) -0.07 (22) -0.54 (10) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.33 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) -0.17 (15) 0.04 (11) 0.79 (7) -0.07 (22) -0.55 (10) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) 0.09 (14) 0.81 (7) -0.06 (23) -0.06 (23) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.78 (7) 0.23 (23) -0.30 (10) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.01 (27) -0.20 (48) -0.01 (27) 0.30 (13) 0.20 (16) 0.11 (14) 0.93 (7) 0.06 (24) -0.12 (12) | H M L H M L H M L | - 0.010 - 11 - 100 - 11 - 100 - 11 - 100 - | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) 0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.27 (8) -0.04 (21) 0.54 (10) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) 0.22 (8) -0.10 (8) -0.05 (21) -0.55 (10) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) 0.48 (11) -0.06 (8) -0.04 (22) -0.05 (12) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.29 (9) 0.25 (23) 0.05 (8) 0.49 (8) 0.24 (22) -0.30 (10) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) 0.31 (8) 0.10 (23) -0.12 (12) | | 0.010 - 0.013 - 0.020 tigging - 0.040 00 ugi |
| R 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) -0.07 (22) -0.54 (10) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.04 (7) 0.00 (23) -0.20 (12) -0.20 (12) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) -0.17 (15) 0.04 (11) 0.79 (7) -0.07 (22) -0.56 (10) -0.42 (10) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) 0.99 (14) 0.81 (7) -0.06 (23) -0.05 (12) -0.05 (12) -0.3 (15) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.78 (7) 0.23 (23) -0.30 (10) 0.01 (33) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) 0.20 (16) 0.11 (14) 0.93 (7) 0.06 (24) -0.12 (12) 0.01 (18) | н м L H M L H M L H | e 0.010 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.0000 | 355-nm AOT 355-nm AOT -0.19 (25) 0.22 (22) -0.02 (24) -0.28 (55) 0.28 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.04 (21) -0.30 (19) 0.30 (19) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (25) | 355-nm Ext 355-nm Ext -0.21 (25) -0.29 (55) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) 0.02 (8) -0.10 (8) -0.05 (21) -0.56 (10) 0.07 (19) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) -0.26 (22) -0.26 (22) -0.06 (8) -0.04 (22) -0.05 (12) -0.05 (12) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.29 (9) 0.25 (23) 0.05 (8) 0.49 (8) 0.24 (22) -0.30 (10) 0.16 (23) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) -0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) 0.31 (8) 0.10 (23) -0.12 (12) 0.02 (29) | | - 0.010 - 0.013 - 0.020 - 0.040 OC output - 0.040 OC output |
| 00 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) -0.07 (22) -0.54 (10) -0.53 (10) -0.53 (10) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.33 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.20 (12) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.3 (13) -0.17 (15) 0.04 (11) 0.79 (7) -0.07 (22) -0.56 (10) -0.42 (10) -0.42 (10) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) 0.09 (14) 0.81 (7) -0.06 (23) -0.05 (12) -0.34 (15) 0.34 (15) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.78 (7) 0.23 (23) -0.30 (10) -0.01 (13) 0.01 (5) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) 0.20 (16) 0.11 (14) 0.93 (7) 0.06 (24) -0.12 (12) -0.11 (18) | н М L H M L H M L H M | - 0.010 UT 1 U | 355-m AOT 355-m AOT -0.19 (25) -0.29 (55) -0.22 (22) -0.02 (24) -0.28 (55) 0.08 (23) -0.07 (9) -0.27 (8) -0.27 (8) -0.24 (21) -0.25 (21) -0.26 (23) -0.27 (8) -0.27 (8) -0. | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.28 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.21 (25) | 355-nm Ext 355-nm Ext -0.21 (25) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) 0.22 (8) -0.10 (8) -0.10 (8) -0.56 (10) 0.07 (19) 0.25 (E1) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) 0.48 (11) -0.06 (8) -0.04 (22) -0.05 (26) 0.05 (26) 0.25 (26) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.25 (23) 0.05 (8) 0.49 (8) 0.24 (22) -0.30 (10) 0.16 (22) -0.31 (61) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) 0.31 (8) 0.10 (23) -0.12 (12) 0.07 (29) 0.15 (62) | H M L H M L H M L H M | 0.010 - 0.013 - 0.020 - 0.040 00 - 0.040 00 |
| 50-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 355-nm AOT -0.09 (31) -0.29 (52) -0.24 (19) -0.33 (41) -0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) -0.07 (22) -0.54 (10) -0.53 (10) -0.16 (53) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.20 (12) -0.20 (12) -0.20 (15) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) 0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.03 (13) -0.17 (15) 0.04 (11) 0.79 (7) -0.07 (22) -0.56 (10) -0.42 (10) -0.42 (10) -0.42 (10) -0.45 (53) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) 0.26 (22) -0.06 (43) -0.27 (43) 0.17 (25) -0.01 (13) -0.14 (15) 0.05 (12) -0.34 (15) -0.13 (57) -0.27 (25) -0.27 (25 | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.99 (11) 0.78 (7) 0.23 (23) -0.30 (10) -0.01 (13) -0.09 (58) 0.21 (13) -0.09 (58) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) 0.04 (24) -0.04 (47) -0.20 (48) -0.01 (27) 0.03 (13) 0.20 (16) 0.11 (14) 0.93 (7) 0.06 (24) -0.12 (12) -0.11 (18) -0.12 (62) | н М L Н М L Н М L Н М . | - 0.010 - 0.010 - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.0001 - 0.02001 - 0.02001 - 0.020 - 0.0001 - 0.02 | 355-mm AOT 355-mm AOT -0.19 (25) 0.22 (22) -0.02 (24) -0.28 (55) 0.88 (23) -0.07 (9) -0.29 (22) 0.20 (22) -0.04 (21) -0.04 (21) -0.54 (10) 0.10 (19) -0.24 (55) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (22) 0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.13 (57) | 355-nm Ext 355-nm Ext -0.21 (25) 0.31 (22) -0.05 (24) -0.26 (55) 0.12 (23) 0.02 (9) -0.25 (22) 0.22 (8) -0.10 (8) -0.05 (21) -0.56 (10) 0.07 (19) -0.26 (55) 0.27 (25) -0.26 (55) -0.26 (55) -0. | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) 0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) -0.26 (22) -0.26 (22) -0.48 (11) -0.06 (8) -0.04 (22) -0.05 (12) 0.05 (26) -0.18 (57) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) -0.04 (60) -0.06 (26) -0.29 (9) -0.25 (23) -0.35 (8) -0.29 (8) -0.24 (22) -0.30 (10) -0.16 (22) -0.14 (61) -0.06 (22) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) -0.12 (12) -0.12 (12) -0.12 (12) -0.15 (63) -0.15 (63) | HMLHMLHMLHM. | - 0.010 - 0.013 - 0.020 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 - 0.013 |
| 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-mm AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) -0.08 (22) -0.13 (13) -0.21 (15) -0.13 (13) -0.21 (15) -0.15 (7) -0.05 (7) -0.05 (7) -0.05 (10) -0.54 (10) -0.54 (10) -0.54 (10) -0.56 (39) -0.56 (39) -0.55 (39) | 532-nm AOT 532-nm AOT 0.03 (33) 0.22 (56) 0.23 (22) 0.04 (43) 0.16 (25) -0.15 (13) -0.01 (14) 0.44 (7) 0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.20 (12) -0.13 (39) | 355-nm Ext 355-nm Ext -0.14 (31) -0.07 (52) 0.30 (19) -0.07 (39) -0.31 (41) -0.03 (13) -0.13 (22) -0.03 (13) -0.17 (15) 0.04 (11) -0.07 (22) -0.56 (10) -0.15 (53) -0.05 (53) -0.09 (39) | 532-nm Ext 532-nm Ext 0.11 (33) 0.22 (56) 0.26 (22) 0.06 (43) 0.27 (43) 0.17 (25) 0.01 (13) 0.14 (15) 0.09 (14) 0.06 (23) -0.06 (23) -0.34 (15) -0.34 (15) -0.34 (15) -0.34 (15) -0.31 (57) -0.31 (57) -0.3 | 355-mm Bsc 355-mm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.23 (23) -0.30 (10) -0.01 (13) -0.00 (58) -0.011 (40) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) -0.04 (47) -0.04 (47) -0.00 (27) -0.01 (27) -0.01 (27) -0.01 (27) -0.01 (14) -0.02 (16) -0.12 (12) -0.12 (62) -0.12 (62) -0.15 (40) | н И Ц Н М L Н М L Н М L . | 0.010 - 0.010 | 355-nm AOT 355-nm AOT -0.19 (25) 0.22 (22) -0.02 (24) -0.02 (24) -0.02 (25) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.27 (8) -0.24 (21) -0.24 (21) -0.24 (21) -0.24 (25) -0.13 (28) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.13 (57) 0.08 (28) | 355-nm Ext 0-21 (25) 0-21 (25) 0-31 (22) 0-05 (24) 0-05 (24) 0-26 (55) 0-22 (23) 0-25 (22) 0-22 (8) -0.10 (8) -0.05 (11) -0.56 (10) 0.07 (19) -0.23 (55) -0.16 (28) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) -0.22 (59) -0.02 (26) -0.02 (26) -0.24 (59) -0.24 (59) -0.24 (59) -0.24 (59) -0.24 (59) -0.24 (59) -0.24 (29) -0.26 (21) -0.26 (22) -0.48 (11) -0.06 (8) -0.04 (22) -0.04 (22) -0.04 (22) | 355-nm Bsc 355-nm Bsc -0.09 (61) -0.09 (61) -0.04 (60) -0.04 (60) -0.04 (60) -0.04 (80) 0.25 (23) 0.05 (8) 0.49 (8) 0.44 (8) 0.24 (22) -0.30 (10) 0.14 (61) -0.14 (61) -0.04 (28) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) -0.04 (28) -0.02 (28) -0.01 (64) -0.03 (29) -0.11 (64) -0.03 (29) -0.12 (12) -0.01 (64) -0.02 (21) -0.12 (12) -0.01 (29) -0.12 (12) -0.15 (63) -0.16 (28) | H M L H M M L H M M L H M M L H M M L H M M L H M M L H M M L H M M L H M M L H M M L H M M L H M M H M M M M | - 0.010 - 0.013 - 0.020 - 0.040 - 0.04 |
| ex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT 305-m AOT -0.09 (31) 0.29 (52) 0.24 (19) -0.05 (39) -0.33 (41) 0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) -0.21 (5) 0.11 (11) -0.15 (7) -0.54 (10) -0.54 (10) -0.5 | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.24 (15) -0.10 (57) 0.13 (39) -0.12 (16) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) -0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.031 (41) 0.04 (11) 0.04 (11) 0.04 (11) 0.04 (11) 0.04 (12) -0.56 (10) -0.56 (10) -0.56 (10) -0.05 (10) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) -0.23 (56) -0.23 (56) -0.23 (56) -0.23 (43) -0.27 (43) -0.27 (43) -0.27 (43) -0.17 (25) -0.01 (13) -0.41 (15) -0.05 (12) -0.34 (15) -0.31 (57) -0.00 (15) -0.00 (16) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.78 (7) 0.23 (23) -0.30 (10) -0.01 (13) -0.01 (46) 0.30 (16) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.015 (62) 0.04 (24) -0.04 (47) -0.02 (48) -0.01 (27) 0.03 (13) 0.20 (16) 0.11 (14) 0.33 (7) 0.06 (24) -0.12 (12) -0.11 (18) -0.12 (62) -0.15 (40) 0.016 (16) | н | - 0.010 - 0.01 | 355-nm AOT 355-nm AOT -0.19 (25) 0.22 (22) -0.02 (24) 0.02 (25) 0.08 (23) -0.02 (25) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.27 (8) -0.04 (21) 0.13 (28) -0.21 (12) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.13 (57) 0.08 (28) -0.37 (12) | 355-nm Ext 355-nm Ext -0-21 (25) 0-31 (22) -0.05 (24) -0.026 (55) 0.12 (23) 0.026 (9) -0.25 (21) 0.22 (8) -0.10 (8) -0.056 (10) 0.07 (19) -0.25 (51) 0.01 (9) -0.25 (51) 0.01 (9) -0.25 (51) 0.01 (9) -0.25 (51) -0.16 (28) -0.01 (9) -0.16 (28) -0.09 (12) | 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) -0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.048 (11) -0.06 (8) -0.048 (22) -0.05 (12) 0.05 (26) -0.05 (25) -0.08 (28) -0.08 (2 | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.25 (23) 0.25 (23) 0.25 (8) 0.25 (8) 0.25 (8) 0.25 (8) 0.24 (22) -0.30 (10) 0.16 (22) -0.14 (61) -0.08 (28) 0.21 (12) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) -0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.02 (11) 0.31 (8) 0.00 (23) -0.12 (12) 0.07 (29) -0.15 (63) -0.16 (63) -0.04 (12) | H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.040 Digitizett - 0.040 Digitizett - inf |
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| Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT 355-m AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.5 (39) -0.33 (41) -0.6 (22) -0.13 (13) -0.13 (13) -0.11 (11) -0.15 (7) -0.07 (22) -0.07 (22) -0.54 (10) -0.54 (10) -0.16 (53) -0.06 (16) 0.03 (10) -0.36 (10) | 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) 0.04 (43) -0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.20 (12) -0.44 (15) 0.13 (39) -0.12 (16) 0.53 (16) 0.53 (16) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) -0.31 (41) -0.31 (41) -0.33 (41) -0.33 (22) -0.031 (41) -0.17 (15) 0.04 (11) -0.76 (72) -0.07 (22) -0.056 (10) -0.04 (210) -0.26 (10) -0.28 (10) -0.28 (10) | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) -0.23 (56) -0.23 (56) -0.27 (43) -0.07 (43) -0.07 (43) -0.017 (25) -0.01 (13) -0.04 (15) -0.06 (23) -0.05 (12) -0.013 (15) -0.013 (15) -0.01 | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.02 (24) 0.02 (24) 0.02 (13) 0.02 (13) 0.03 (10) -0.03 (10) -0.01 (13) -0.09 (51) 0.03 (16) 0.05 (11) 0.55 (11) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.015 (62) 0.04 (24) -0.04 (24) -0.04 (47) -0.02 (48) -0.01 (27) 0.03 (13) 0.02 (16) 0.06 (24) -0.12 (12) -0.11 (18) -0.12 (62) -0.15 (40) 0.01 (16) 0.30 (16) -0.09 (11) -0.09 (11) | н M L H M L H M L H M L H M L | - 0.010 - 0.01 | 355-nm AOT 355-nm AOT -0.19 (25) 0.22 (22) -0.02 (24) 0.02 (25) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.04 (21) -0.04 (21) -0.54 (10) 0.10 (19) 0.24 (55) -0.13 (28) -0.21 (12) 0.018 (18) -0.58 (9) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.13 (57) 0.08 (28) -0.37 (12) 0.43 (21) -0.54 (9) | 355-nm Ext 355-nm Ext -0.21 (25) -0.31 (22) -0.05 (24) -0.26 (55) -0.26 (55) -0.26 (55) -0.26 (29) -0.26 (29) -0.25 (21) -0.25 (21) -0.56 (10) -0.05 (11) -0.56 (10) -0.016 (28) -0.016 (28) -0.054 (10) -0.54 (10) -0.55 (10) -0.55 (10) -0.56 (10) -0. | 532-nm Ext 532-nm Ext 0-21 (27) 0-21 (27) 0-27 (25) 0-24 (59) 0-24 (59) 0-24 (59) 0-24 (59) 0-24 (59) 0-24 (59) 0-26 (22) 0-26 (22) 0-26 (21) 0-26 (25) 0-26 (25) | 355-nm Bsc 355-nm Bsc -0.09 (61) -0.09 (61) -0.00 (25) 0.00 (25) 0.00 (27) -0.04 (60) 0.25 (23) 0.05 (6) 0.29 (9) 0.25 (23) 0.05 (6) 0.44 (20) -0.30 (10) 0.14 (61) 0.24 (22) -0.30 (10) 0.14 (61) 0.21 (12) 0.07 (18) 0.21 (12) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) 0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) 0.31 (8) 0.03 (23) 0.12 (12) 0.07 (29) -0.15 (63) -0.16 (28) -0.04 (12) 0.22 (21) -0.14 (10) | Н И И И И И И И И И И И И И И И И И И И | - 0.010 - 0.013 - 0.020 - 0.040 - 0.020 - inf - 0.040 - 0.020 - inf - 0.040 - 0.020 |
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| 2L Alt K-Index 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT 355-m AOT -0.09 (31) -0.09 (31) -0.05 (31) -0.05 (31) -0.31 (41) -0.31 (41) -0.31 (41) -0.15 (77) -0.07 (22) -0.05 (410) -0.05 (410) -0.05 (31) -0.04 (39) -0.06 (16) -0.03 (13) -0.33 (10) -0.31 (39) | 532-nm AOT 532-nm AOT 532-nm AOT 0.03 (33) 0.02 (56) 0.23 (22) 0.04 (43) 0.16 (25) -0.15 (13) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.44 (15) -0.20 (12) -0.44 (15) -0.10 (57) 0.13 (39) -0.12 (16) 0.53 (16) -0.34 (10) -0.17 (29) -0.9 (43) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) -0.07 (52) -0.07 (39) -0.07 (39) -0.03 (41) -0.03 (41) -0.07 (22) -0.05 (510) -0.07 (22) -0.55 (10) -0.05 (510) -0.05 (510) -0.05 (210) -0.05 (210) -0.02 (210) -0.02 (210) -0.28 (10) -0.21 (29) -0.21 (29) -0.21 (29) -0.21 (29) -0.21 (29) -0.21 (20) -0.21 (20) -0.21 (20) -0.22 (20) -0.21 (20) -0.22 (20) -0.22 (20) -0.22 (20) -0.21 (20) | 532-nm Ext 532-nm Ext 0-11 (33) 0-23 (56) 0-26 (22) 0-0.06 (43) 0-17 (25) 0-0.17 (43) 0-17 (25) 0-0.17 (13) 0-0.14 (15) 0-0.14 (15) 0-0.06 (23) 0-0.06 (12) 0-0.06 (12) 0-0.01 (15) 0-0.00 (16) 0-0.25 (16) 0-0.25 (16) 0-0.26 (10) 0-0.20 (29) 0-0.01 (43) | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.01 (43) -0.02 (24) 0.25 (13) 0.21 (16) 0.99 (11) 0.78 (77) 0.23 (23) -0.30 (10) -0.01 (13) -0.09 (58) -0.01 (14) 0.35 (13) 0.55 (13) | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) -0.04 (24) -0.04 (47) -0.02 (48) -0.02 (48) -0.02 (47) -0.02 (47) -0.02 (47) -0.02 (47) -0.05 (52) -0.05 (51) -0.05 (51) | н M L H M L H M L H M L H M L H M | 1.71 0010 010.0 P-value flow 010.0 P-value flow 020.0 P-value flow 000.018 Maine 889-00018 1.255180 1.011 00050018 1.001 00050018 | 355-nm AOT 355-nm AOT -0.19 (25) 0.22 (22) -0.02 (24) -0.29 (22) -0.02 (24) -0.29 (22) -0.07 (9) -0.29 (22) 0.20 (23) -0.04 (21) -0.54 (10) -0.24 (55) -0.13 (28) -0.21 (12) -0.18 (18) -0.58 (9) -0.28 (29) -0.28 (29) -0.29 (22) -0.29 (22) -0.20 (24) -0.29 (22) -0.20 (24) -0.20 (24) -0.20 (24) -0.20 (25) -0.20 (25) | 532-nm AOT 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.37 (12) 0.08 (28) -0.37 (12) 0.04 (21) -0.54 (9) -0.16 (31) -0.06 (50) | 355-nm Ext 355-nm Ext -0-21 (25) -0-21 (25) -0-21 (25) -0-25 (55) -0-25 (22) -0-25 (22) -0-25 (22) -0-25 (22) -0-05 (21) -0-55 (10) -0.56 (10) -0.56 (10) -0.56 (10) -0.56 (10) -0.56 (10) -0.56 (28) -0.01 (28) -0.54 (9) -0.72 (29) -0.72 (29) -0.75 (| 532-nm Ext 532-nm Ext 0-21 (27) 0-21 (27) 0-23 (59) 0-27 (25) 0-02 (26) 0-02 (26) 0-02 (26) 0-04 (9) 0-26 (22) 0-48 (11) 0-06 (8) 0-04 (22) 0-04 (22) 0-05 (12) 0-05 (26) 0-09 (12) 0-05 (26) 0-09 (12) 0-05 (26) 0-09 (12) 0-05 (26) 0-05 (27) 0-05 (26) 0-05 (27) 0-05 (27) | 355-nm Bsc 355-nm Bsc -0.09 (61) -0.09 (61) -0.00 (25) 0.00 (27) 0.04 (60) -0.04 (60) -0.04 (60) -0.04 (60) -0.04 (60) -0.04 (80) 0.25 (23) 0.05 (8) 0.49 (8) 0.49 (8) 0.44 (8) 0.4 | 532-nm Bsc 532-nm Bsc 0-13 (29) 0-13 (29) 0-02 (29) 0-12 (29) 0-12 (29) 0-12 (29) 0-02 (29) 0-12 (9) 0-02 (29) 0-12 (9) 0-03 (23) 0-01 (62) 0-01 (20) 0-01 (20) | н | - 0.010 - 0.013 - 0.020 - 0.02 |
| LCL Alt Kindex 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT 355-m AOT -0.09 (31) -0.29 (52) 0.24 (19) -0.53 (39) -0.33 (41) -0.08 (22) -0.13 (13) -0.21 (15) 0.11 (11) -0.15 (7) -0.07 (22) -0.07 (22) -0.07 (22) -0.07 (23) -0.05 (16) -0.04 (39) -0.04 (39) -0.04 (39) -0.04 (39) -0.04 (39) -0.04 (39) -0.04 (39) -0.04 (39) -0.04 (39) -0.04 (39) -0.05 (30) -0.05 (30) | 532-nm AOT 532-nm AOT 0.03 (33) 0.22 (56) 0.23 (22) 0.04 (43) 0.16 (25) -0.15 (13) -0.00 (15) -0.01 (14) 0.44 (7) 0.00 (23) -0.00 (12) -0.12 (15) 0.13 (39) -0.12 (16) 0.53 (16) -0.33 (10) -0.17 (29) -0.09 (43) 0.20 (39) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) -0.30 (19) -0.07 (39) -0.31 (41) 0.13 (22) -0.31 (41) 0.13 (22) -0.04 (11) 0.76 (7) -0.07 (22) -0.56 (10) -0.07 (22) -0.56 (10) -0.04 (210) -0.04 (210) -0.04 (210) -0.02 (20) -0.02 (| 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) -0.23 (56) -0.23 (56) -0.23 (43) -0.23 (43) -0.27 (43) -0.27 (43) -0.41 (15) -0.06 (23) -0.05 (12) -0.34 (15) -0.34 (15) -0.03 (15) -0.00 (39) -0.00 (16) -0.25 (16) -0.26 (10) -0.26 (10) -0.20 (29) -0.10 (43) -0.14 (35) -0.14 | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.22 (13) 0.21 (16) 0.09 (11) 0.76 (7) 0.33 (10) -0.30 (10) -0.30 (10) -0.31 (16) 0.33 (16) 0.05 (13) -0.09 (28) 0.00 (47) -0.02 (28) 0.00 (47) -0.02 (28) 0.00 (47) -0.02 (28) 0.00 (47) -0.02 (28) -0.02 | 532-nm Bsc 532-nm Bsc 532-nm Bsc -0.04 (36) -0.015 (62) 0.04 (24) -0.04 (47) -0.02 (48) -0.01 (27) 0.03 (13) 0.02 (16) 0.11 (14) 0.93 (7) 0.06 (24) -0.12 (12) -0.11 (18) -0.12 (62) -0.15 (40) 0.10 (16) 0.33 (16) -0.05 (51) -0.05 (51) | н M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.014 - 0.014 - 0.010 - 0.015 - 0.014 - 0.015 - 0.014 - 0.01 | 355-nm AOT 355-nm AOT -0.19 (25) 0.22 (22) -0.02 (24) 0.02 (25) 0.08 (23) -0.02 (25) 0.08 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.04 (21) -0.04 (21) -0.04 (21) -0.13 (28) -0.21 (12) 0.18 (18) -0.28 (9) -0.28 (29) -0.14 (45) 0.11 (28) | 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (59) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (28) -0.37 (12) 0.48 (28) -0.37 (12) 0.48 (28) -0.37 (12) 0.48 (28) -0.54 (9) -0.16 (31) -0.06 (50) 0.16 (30) | 355-nm Ext 355-nm Ext -0-21 (25) -0.31 (22) -0.05 (24) -0.26 (55) -0.12 (23) -0.26 (55) -0.12 (23) -0.25 (22) -0.25 (22) -0.25 (21) -0.56 (10) -0.05 (11) -0.56 (10) -0.07 (19) -0.23 (55) -0.16 (28) -0.06 (12) -0.06 (12) -0.54 (9) -0.27 (29) -0.10 (28) -0.10 (| 532-nm Ext 532-nm Ext -0.21 (27) -0.23 (59) -0.27 (25) -0.02 (26) -0.24 (59) 0.17 (26) 0.04 (9) -0.26 (22) 0.48 (11) -0.06 (8) -0.05 (12) 0.05 (26) -0.08 (28) -0.08 (28) -0.09 (12) 0.05 (59) -0.20 (31) -0.12 (50) 0.12 (30) | 355-nm Bsc 355-nm Bsc -0.01 (27) -0.09 (61) -0.00 (25) 0.00 (25) 0.00 (27) -0.04 (60) -0.06 (26) 0.25 (23) 0.05 (8) 0.25 (23) 0.05 (8) 0.24 (22) -0.30 (10) 0.16 (22) -0.14 (61) -0.08 (28) 0.21 (12) 0.02 (12) -0.11 (30) 0.01 (54) -0.01 (29) | 532-nm Bsc 532-nm Bsc -0.13 (29) -0.14 (65) -0.04 (28) -0.02 (29) -0.11 (64) -0.05 (29) 0.12 (9) 0.03 (23) 0.20 (11) 0.31 (8) 0.04 (28) -0.02 (29) -0.12 (12) 0.07 (29) -0.12 (12) 0.07 (29) -0.16 (28) -0.04 (12) 0.22 (21) -0.04 (12) -0.04 (12) -0.0 | н м L н м L н м L н м L н м L | - 0.010 - 0.013 - 0.020 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 |
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| CAPE LCLAIt K-Index 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT 355-m AOT -0.09 (31) -0.09 (31) -0.04 (39) -0.05 (31) -0.04 (39) -0.31 (13) -0.11 (13) -0.11 (13) -0.15 (71) -0.07 (22) -0.05 (10) -0.05 (10) -0.06 (16) -0.06 (16) -0.03 (13) -0.35 (10) -0.35 (30) -0.35 (30) -0.35 (30) -0.35 (30) -0.25 (37) -0.04 (23) -0.25 (37) -0.05 (23) -0.25 (37) -0.05 (23) -0.25 (37) -0.25 (37) -0.25 (37) -0.05 (23) -0.05 (23) -0.25 (37) -0.25 (3 | 532-nm AOT 532-nm AOT 532-nm AOT 0.03 (33) 0.02 (56) 0.23 (22) 0.04 (43) 0.06 (25) -0.15 (13) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.44 (15) -0.20 (12) -0.44 (15) -0.12 (16) -0.34 (10) -0.17 (29) -0.20 (39) 0.12 (25) -0.16 (41) 0.12 (25) | 355-nm Ext -0.14 (31) -0.027 (52) -0.027 (52) -0.03 (19) -0.07 (39) -0.31 (41) -0.03 (13) -0.13 (22) -0.03 (13) -0.17 (15) -0.04 (11) -0.04 (11) -0.05 (10) -0.05 (10) -0.05 (10) -0.05 (10) -0.02 (16) -0.03 (13) -0.28 (20) -0.11 (39) -0.13 (36) -0.26 (27) -0.26 (27) -0.2 | 532-nm Ext 532-nm Ext -0.11 (33) -0.23 (56) -0.23 (56) -0.27 (43) -0.7 (43) -0.7 (43) -0.7 (43) -0.14 (15) -0.01 (13) -0.04 (15) -0.06 (23) -0.06 (23) -0.06 (23) -0.06 (21) -0.06 (23) -0.06 (21) -0.06 (23) -0.00 (16) -0.25 (16) -0.25 (16) -0.26 (10) -0.26 (10) -0.20 (29) -0.01 (43) -0.22 (41) -0.22 (41) -0.25 (41) -0. | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) 0.00 (21) 0.01 (43) -0.14 (46) -0.02 (24) 0.25 (13) 0.21 (16) 0.09 (11) 0.78 (7) 0.23 (23) -0.30 (10) -0.30 (10) -0.30 (16) 0.05 (13) 0.15 (11) -0.09 (28) -0.09 (28) -0.09 (28) -0.09 (23) -0.09 (25) -0.09 (25) -0.07 (51) -0.07 (51) -0 | 532-nm Bsc 532-nm Bsc 532-nm Bsc 0.04 (36) 0.04 (24) 0.04 (24) 0.04 (24) 0.04 (27) 0.03 (13) 0.20 (16) 0.11 (14) 0.93 (7) 0.06 (24) -0.12 (12) -0.11 (18) 0.02 (62) -0.15 (40) 0.03 (16) 0.33 (16) 0.33 (16) 0.05 (51) -0.05 (41) 0.06 (52) 0.01 (43) 0.00 (54) | н M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.010 - 0.00 | 355-mm AOT 355-mm AOT -0.19 (25) 0.22 (22) -0.02 (24) -0.02 (24) -0.02 (24) -0.28 (55) 0.88 (23) -0.07 (9) -0.29 (22) 0.20 (8) -0.27 (8) -0.04 (21) -0.24 (55) -0.13 (28) -0.21 (12) 0.18 (18) -0.28 (29) -0.14 (45) 0.05 (26) -0.31 (49) 0.07 (27) | 532-nm AOT 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) -0.21 (25) -0.21 (59) -0.17 (22) -0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.13 (57) 0.08 (28) -0.37 (12) 0.04 (21) -0.54 (9) -0.16 (31) -0.16 (31) -0.16 (30) 0.11 (29) -0.20 (54) 0.20 (54) 0.20 (54) -0.20 (54) -0.2 | 355-nm Ext 355-nm Ext -0-21 (25) -0-21 (25) -0-21 (25) -0-25 (22) -0-05 (24) -0-25 (22) -0.25 (22) -0.25 (22) -0.25 (22) -0.25 (22) -0.25 (22) -0.25 (23) -0.55 (10) -0.05 (11) -0.05 (11) -0.56 (10) -0.05 | 532-nm Ext 532-nm Ext 0-21 (27) 0-23 (59) 0-27 (25) 0-02 (26) 0-02 (26) 0-02 (26) 0-04 (9) 0-26 (22) 0-48 (11) 0-06 (8) 0-04 (22) 0-04 (22) 0-05 (12) 0-04 (22) 0-05 (12) 0-05 (26) 0-04 (23) 0-05 (26) 0-04 (23) 0-05 (26) 0-04 (23) 0-05 (26) 0-04 (23) 0-05 (26) 0-04 (23) 0-05 (26) 0-04 (26) 0-04 (26) 0-04 (27) 0-05 (26) 0-04 (27) 0-05 (27) | 355-nm Bsc 355-nm Bsc -0.09 (61) -0.09 (61) -0.09 (61) -0.00 (25) 0.00 (27) 0.04 (60) -0.04 (60) -0.04 (60) -0.28 (9) 0.25 (23) 0.05 (8) 0.49 (8) 0.49 (8) 0.44 (61) -0.44 (61) -0.44 (51) -0.30 (10) 0.14 (51) -0.32 (10) -0.11 (30) 0.01 (54) -0.01 (29) 0.02 (26) -0.01 (29) 0.02 (26) -0.01 (27) 0.03 (30) | 532-nm Bsc 532-nm Bsc 0-13 (29) 0-13 (29) 0-02 (29) 0-12 (29) 0-02 (29) 0-12 (29) 0-03 (23) 0-01 (64) 0-03 (23) 0-01 (64) 0-03 (23) 0-012 (12) 0-012 (12) 0-012 (12) 0-016 (28) 0-04 (12) 0-04 (12) 0-05 (12) 0-04 (12) 0-05 (12) 0-04 | н M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 00 00000000000000000000000000000 |
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| 700-hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT 355-m AOT -0.09 (31) -0.09 (31) -0.05 (32) -0.34 (19) -0.34 (19) -0.34 (10) -0.31 (13) -0.13 (13) -0.13 (13) -0.07 (22) -0.07 (22) -0.07 (22) -0.07 (23) -0.04 (39) -0.36 (10) -0.36 (10) -0.36 (10) -0.36 (10) -0.36 (10) -0.36 (10) -0.36 (10) -0.37 (23) -0.01 (23) -0.10 (2 | 532-nm AOT 532-nm AOT 532-nm AOT 0.03 (33) -0.22 (56) 0.23 (22) -0.04 (43) -0.27 (43) 0.16 (25) -0.15 (13) -0.01 (14) 0.44 (7) 0.00 (23) -0.20 (12) -0.44 (15) -0.20 (12) -0.44 (15) -0.12 (16) 0.53 (16) -0.34 (10) -0.17 (29) -0.29 (43) 0.20 (39) 0.12 (25) -0.16 (41) 0.12 (25) -0.24 (27) -0.25 (50) 0.05 (54) | 355-nm Ext 355-nm Ext -0.14 (31) -0.27 (52) -0.07 (39) -0.07 (39) -0.07 (39) -0.03 (41) 0.13 (22) -0.03 (41) 0.04 (11) 0.04 (11) 0.04 (11) 0.04 (12) -0.05 (10) -0.05 (10) | 532-nm Ext 532-nm Ext 0-11 (33) 0-23 (56) 0-26 (22) 0-06 (43) 0-07 (43) 0-07 (43) 0-07 (43) 0-014 (15) 0-04 (15) 0-06 (12) 0-03 (12) 0-03 (12) 0-00 (13) 0-00 (13) 0-00 (13) 0-00 (14) 0-00 (12) 0-00 (14) 0-00 (14) 0-00 (12) 0-00 (14) 0-00 (14) 0-00 (14) 0-00 (14) 0-00 (14) 0-00 (14) 0-00 (14) 0-00 (14) 0-00 (14) 0-00 (12) 0-00 (14) 0-00 (12) 0-00 (14) 0-00 (12) 0-00 (12) 0-00 (14) 0-00 (12) 0-00 (12 | 355-nm Bsc 355-nm Bsc -0.02 (34) -0.07 (58) -0.07 (58) -0.07 (58) -0.07 (58) -0.07 (58) -0.07 (58) -0.07 (58) -0.02 (24) -0.22 (24) -0.23 (23) -0.02 (38) -0.02 | 532-nm Bsc 532-nm Bsc -0.04 (36) -0.15 (62) -0.04 (24) -0.015 (62) -0.02 (48) -0.02 (48) -0.02 (48) -0.02 (47) -0.02 (47) -0.02 (16) -0.05 (40) -0.05 (40) -0.05 (41) -0.05 (41) -0.05 (41) -0.05 (41) -0.05 (41) -0.05 (41) -0.05 (42) -0.05 (41) -0.05 (43) -0.05 (45) -0.05 (45) | н М L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.000 - 0.00 | 355-nm AOT 355-nm AOT -0.19 (25) -0.29 (55) -0.22 (22) -0.02 (24) -0.02 (24) -0.02 (25) -0.08 (23) -0.07 (9) -0.29 (22) -0.29 (22) -0.29 (22) -0.29 (22) -0.29 (22) -0.29 (22) -0.27 (8) -0.27 (8) -0.21 (12) -0.13 (28) -0.21 (12) -0.18 (45) -0.11 (28) -0.21 (12) -0.14 (45) -0.11 (28) -0.21 (29) -0.14 (45) -0.11 (28) -0.31 (49) -0.14 (45) -0.11 (28) -0.31 (49) -0.31 (49) -0.31 (49) -0.31 (49) -0.31 (49) -0.14 (45) -0.11 (28) -0.37 (23) -0.05 (26) | 532-nm AOT 532-nm AOT 532-nm AOT -0.04 (27) -0.19 (59) 0.21 (25) 0.07 (26) -0.21 (25) 0.17 (26) -0.08 (9) -0.17 (22) 0.08 (11) -0.04 (8) 0.03 (22) -0.20 (12) 0.08 (26) -0.13 (57) 0.08 (28) -0.37 (12) 0.08 (28) -0.54 (9) -0.16 (31) 0.016 (30) 0.11 (29) -0.20 (54) 0.20 (54) -0.20 (54) -0.20 (54) -0.20 (54) -0.20 (55) -0.11 (28) -0.21 (28) -0.25 (56) -0.11 (28) -0.21 (28) -0.25 (56) -0.11 (28) -0.21 (28) -0.21 (28) -0.26 (28) -0.26 (28) -0.26 (28) -0.26 (28) -0.26 (28) -0.26 (28) -0.26 (28) -0.26 (28) -0.26 (27) -0.26 (28) -0.26 (28) -0.26 (27) -0.26 (28) -0.26 (28) -0.26 (27) -0.26 (28) -0.26 (| 355-nm Ext 355-nm Ext -0.21 (25) -0.21 (25) -0.26 (55) -0.26 (55) -0.26 (55) -0.26 (23) -0.25 (22) -0.22 (8) -0.25 (22) -0.25 (21) -0.55 (10) -0.55 (10) -0.56 (10) -0.71 (29) -0.21 (25) -0.12 (28) -0.21 (29) -0.21 (29) -0.23 (52) -0.12 (28) -0.23 (52) -0.12 (28) -0.21 (29) -0.21 (29) -0.22 (29) -0.25 (| 532-nm Ext 532-nm Ext 0-21 (27) 0-21 (27) 0-02 (25) 0-02 (25) 0-02 (25) 0-02 (25) 0-02 (25) 0-04 (9) 0-02 (25) 0-04 (21) 0-06 (12) 0-04 (22) 0-05 (12) 0-05 (12) 0-05 (26) 0-004 (22) 0-05 (26) 0-008 (28) 0-008 (28) | 355-nm Bsc 355-nm Bsc -0.09 (61) -0.09 (61) -0.09 (62) -0.04 (60) -0.04 (60) -0.06 (26) 0.29 (9) 0.25 (23) 0.05 (8) 0.49 (8) 0.24 (22) -0.30 (10) 0.14 (61) -0.08 (28) 0.21 (12) -0.01 (29) 0.02 (26) -0.14 (57) 0.33 (30) -0.11 (25) -0.02 (57) -0.01 (25) -0.01 | 532-nm Bsc 532-nm Bsc 0-13 (29) 0-13 (29) 0-14 (65) 0-04 (28) 0-02 (29) 0-12 (29) 0-11 (64) 0-03 (29) 0-12 (19) 0-03 (29) 0-12 (12) 0-07 (29) 0-12 (12) 0-07 (29) 0-15 (63) 0-16 (28) 0-0.16 (28) 0-0.18 (29) 0-0.18 (29) | н M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 - 0.020 - 0.013 - 0.010 |

Figure S1: Tables of Pearson correlation coefficients from comparing maximum AMPR CLW with mean HSRL2 AOT, extinction (Ext), and backscatter (Bsc) at 355 and 532 nm (top and bottom borders) within environmental bins stratified by the nine AVAPS parameters (left border) at low (L), medium (M), and high (H) magnitudes (right border) across the CAMP²Ex scenes. Within each cell, the listed value is the Pearson correlation coefficient and the parenthesized value indicates the number of data points used in the comparison. Cells with a Pearson correlation coefficients, and the color shading corresponds to the magnitude of the p-value according to the colorbar, with darker shades of each color associated with lower p-values (i.e., greater statistical significance). Color shading begins to increase substantially around a p-value of 0.05 and reaches a maximum for p-values around 0.01. The four different tables result from the four sensitivity tests detailed in Table 2 (main text), with Test 1 (upper left), Test 2 (upper right), Test 3 (lower left), and Test 4 (lower right) presented herein.

| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
|--|--|--|---|---|--|--|---|--|--|--|--|---|---|--|---|---|---|
| F | 0.14 (30) | 0.07 (32) | 0.20 (30) | 0.10 (32) | 0.14 (33) | 0.10 (35) | н | | F | 0.02 (34) | -0.01 (36) | 0.05 (34) | -0.02 (36) | 0.12 (37) | 0.08 (39) | н | |
| 1 kr | 0.13 (62) | 0.03 (66) | 0.19 (62) | 0.08 (66) | 0.19 (70) | 0.10 (74) | м | - 0.010 | 1 kr | 0.18 (41) | 0.07 (43) | 0.21 (41) | 0.11 (43) | 0.22 (45) | 0.11 (47) | м | 0.010 |
| F. | 0.58 (11) | 0.21 (14) | 0.33 (11) | 0.06 (14) | 0.16(11) | -0.06 (14) | L | | F. | 0.15 (28) | 0.02 (33) | 0.20 (28) | 0.04 (33) | 0.11 (32) | 0.00 (37) | L | |
| ba | 0.00 (46) | -0.08 (50) | 0.07 (46) | -0.04 (50) | 0.18 (50) | 0.08 (54) | н | | Pa | 0.16 (34) | 0.03 (37) | 0.21 (34) | 0.05 (37) | 0.16 (37) | 0.04 (40) | н | |
| 25 h | 0.12 (39) | 0.06 (41) | 0.16 (39) | 0.09 (41) | 0.13 (45) | 0.07 (47) | м | - 0.013 | 25 h | 0.06 (36) | -0.01 (39) | 0.13 (36) | 0.05 (39) | 0.19 (41) | 0.10 (44) | м | 0.013 |
| T _d 9 | 0.57 (18) | 0.28(21) | 0.46 (18) | 0.21 (21) | 0.19(19) | 0.06 (22) | E. | | T ₆ 9 | 0.19 (33) | 0.08 (36) | 0.21 (33) | 0.08 (36) | 0.13 (36) | 0.06 (39) | E. | |
| 4 | 0.61 (11) | 0.62(11) | 0.57 (11) | 0.55 (11) | 0.43 (11) | 0.47 (11) | н | | 4 | 0.58 (13) | 0.58 (13) | 0.56 (13) | 0.54 (13) | 0.40 (13) | 0.45 (13) | н | |
| 000 | 0.02 (19) | 0.15 (19) | 0.02 (19) | 0.02 (19) | 0.09(20) | 0.07 (20) | M | - 0.020 | 00 | 0.16(15) | 0.34 (15) | 0.13(15) | 0.13 (15) | 0.24 (16) | 0.21 (16) | M | 0.020 |
| -00 | 0.52 (10) | 0.22 (12) | 0.52 (10) | 0.01 (13) | 0.08 (10) | -0.83 (13) | 1 | ŧ | 00 | 0.17 (12) | 0.11 (15) | 0.24 (12) | 0.27 (15) | 0.19(12) | 0.50 (15) | | Ħ |
| ~ | 0.33 (10) | 1.00 (5) | 0.52 (10) | 0.01(13) | -0.03 (10) | 0.65 (15) | | icie | 2 | -0.17 (12) | -0.11(13) | -0.24 (12) | -0.27 (13) | -0.16 (12) | 0.50(13) | | icie |
| 00 19 | 0.49 (3) | 0.17 (20) | 0.33 (3) | 0.43 (3) | 0.33 (3) | 0.38 (3) | | - 0.040 G | 00 | 0.39 (12) | 0.38 (12) | 0.30 (12) | 0.36 (12) | 0.45 (12) | 0.54 (12) | | 0.040 |
| 50-5 | 0.23 (28) | 0.17 (29) | 0.26 (28) | 0.17 (29) | 0.33 (29) | 0.14 (30) | 1 | 0.040 0 | 20-5 | 0.17 (13) | -0.04 (16) | 0.22 (13) | 0.02 (16) | 0.33(13) | -0.06 (16) | 141 | 5.040 0 |
| 80 | 0.80(7) | 0.17 (9) | 0.38 (7) | 0.18 (9) | -0.07 (7) | -0.32 (9) | | elati | ~ | 0.08 (13) | 0.07 (13) | 0.06 (13) | -0.11 (13) | -0.34 (14) | -0.34 (10) | 5 | elati |
| 00 19 | 0.34 (3) | 0.00 (6) | 0.28 (3) | 0.49 (8) | 0.26 (7) | 0.34 (10) | | Lon | 00 | 0.33 (30) | 0.11 (37) | 0.34 (30) | 0.13 (37) | 0.20 (33) | 0.02 (40) | | Lo |
| 20-7 | 0.13 (34) | 0.03 (60) | 0.15 (34) | 0.01 (00) | 0.09 (00) | -0.03 (66) | 1. | - u | 20-7 | 0.09 (38) | 0.03 (38) | 0.07 (38) | -0.01 (38) | -0.01 (42) | -0.06 (44) | 141 | - Lo |
| 80 | -0.02 (44) | -0.12 (44) | 0.19 (44) | 0.05 (44) | 0.24 (45) | 0.24 (45) | - | ears | 8 | -0.16 (37) | -0.21 (37) | 0.09 (37) | -0.10 (37) | 0.28 (37) | 0.28 (37) | 5 | ears |
| dex | 0.21 (17) | 0.15 (18) | 0.24 (17) | 0.17 (18) | 0.32 (17) | 0.12 (18) | | 3 | dex | 0.25 (14) | 0.15 (14) | 0.30 (14) | 0.28 (14) | 0.36 (14) | 0.28 (14) | | E |
| kin- | -0.02 (14) | -0.16 (16) | -0.02 (14) | -0.15 (16) | -0.07 (14) | -0.24 (16) | | - 0.040 g | ÷. | -0.19 (14) | -0.19(17) | -0.25 (14) | -0.26 (17) | -0.33 (14) | -0.36 (17) | 1141 | 0.040 2 |
| | 0.30 (9) | 0.36 (9) | 0.27 (9) | 0.25 (9) | -0.11 (10) | 0.01 (10) | L. | valu | H | 0.49 (12) | 0.51 (12) | 0.51 (12) | 0.50 (12) | 0.32 (13) | 0.28 (13) | 5 | valu |
| Alt | 0.31 (19) | 0.22 (21) | 0.30 (19) | 0.20 (21) | 0.30 (20) | 0.18 (22) | н | d. | Alt | 0.15 (39) | 0.06 (41) | 0.21 (39) | 0.12 (41) | 0.24 (40) | 0.17 (42) | н | ġ. |
| Ľ | 0.04 (49) | -0.04 (53) | 0.10 (49) | 0.02 (53) | 0.11 (57) | 0.05 (61) | M | - 0.020 | Ľ | 0.09 (28) | 0.00 (32) | 0.08 (28) | 0.00 (32) | -0.15 (36) | -0.16 (40) | M | 0.020 |
| | 0.14 (35) | 0.06 (38) | 0.19 (35) | 0.03 (38) | 0.18 (37) | 0.05 (40) | L. | | + | 0.12 (36) | 0.04 (39) | 0.17 (36) | 0.02 (39) | 0.18 (38) | 0.05 (41) | Ľ | |
| щ- | 0.18 (17) | 0.19 (19) | 0.16 (17) | 0.09 (19) | 0.25 (17) | 0.15 (19) | н | | Ψ- | 0.01 (37) | -0.08 (41) | 0.08 (37) | -0.06 (41) | 0.22 (38) | 0.04 (42) | н | |
| 8 | 0.14 (40) | 0.00 (44) | 0.22 (40) | 0.08 (44) | 0.28 (41) | 0.14 (45) | м | - 0.013 | 3 | 0.28 (35) | 0.21 (37) | 0.30 (35) | 0.28 (37) | 0.17 (38) | 0.21 (40) | м | 0.013 |
| | 0.16 (46) | 0.11 (49) | 0.11 (46) | 0.01 (49) | -0.07 (56) | -0.15 (59) | L | | - H | 0.27 (31) | 0.16 (34) | 0.23 (31) | 0.09 (34) | 0.05 (38) | -0.08 (41) | L | |
| M R | -0.10 (15) | -0.13 (16) | -0.02 (15) | -0.13 (16) | 0.17 (16) | 0.02 (17) | н | | MR | -0.03 (31) | -0.08 (35) | 0.05 (31) | -0.05 (35) | 0.21 (34) | 0.07 (38) | н | |
| 0-hP | 0.22 (59) | 0.13 (65) | 0.21 (59) | 0.14 (65) | 0.16 (63) | 0.09 (69) | м | - 0.010 | dD | 0.27 (36) | 0.16 (39) | 0.27 (36) | 0.17 (39) | 0.20 (37) | 0.15 (40) | м | 0.010 |
| 70 | 0.27 (29) | 0.07 (31) | 0.34 (29) | 0.13 (31) | 0.08 (33) | 0.00 (35) | L | | 2 | 0.25 (36) | 0.07 (38) | 0.31 (36) | 0.13 (38) | 0.04 (41) | -0.01 (43) | L | |
| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
| | | | | | | | | | | | | | | | | | |
| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | - | |
| E | 355-nm AOT 0.14 (31) | 532-nm AOT 0.06 (33) | 355-nm Ext 0.20 (31) | 532-nm Ext 0.10 (33) | 355-nm Bsc 0.15 (34) | 532-nm Bsc 0.11 (36) | н | | ε | 355-nm AOT 0.20 (25) | 532-nm AOT 0.24 (27) | 355-nm Ext 0.17 (25) | 532-nm Ext 0.13 (27) | 355-nm Bsc -0.02 (27) | 532-nm Bsc -0.09 (29) |]н | |
| d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) | 532-nm AOT 0.06 (33) 0.02 (57) | 355-nm Ext 0.20 (31) 0.15 (53) | 532-nm Ext 0.10 (33) 0.06 (57) | 355-nm Bsc 0.15 (34) 0.15 (59) | 532-nm Bsc 0.11 (36) 0.04 (63) | н м | - 0.010 | d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) | 532-nm AOT 0.24 (27) -0.00 (60) | 355-nm Ext 0.17 (25) 0.13 (56) | 532-nm Ext 0.13 (27) 0.03 (60) | 355-nm Bsc -0.02 (27) 0.19 (62) | 532-nm Bsc -0.09 (29) 0.08 (66) | н м | 0.010 |
| T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) | H M L | - 0.010 | T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) | H M L | 0.010 |
| hPa T _d 1km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) | H M L H | - 0.010 | hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) | H M L H | - 0.010 |
| 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.06 (48) | H M L H M | - 0.010 - 0.013 | 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) | H M L H | 0.010 |
| T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.06 (48) 0.07 (27) | H M L H M L | - 0.010 - 0.013 | T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) 0.17 (26) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (29) | H M L H L | - 0.010 - 0.013 |
| 0 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) 0.40 (13) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.06 (48) 0.07 (27) 0.45 (13) | H M L H M L H | - 0.010 - 0.013 | 0 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.85 (9) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.84 (9) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.83 (9) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) 0.17 (26) 0.83 (9) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.69 (9) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (29) 0.66 (9) | H L H L H | 0.010 |
| 0-500 LR Td 925 hPa Td 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) 0.16 (15) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) 0.13 (15) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) 0.40 (13) 0.24 (16) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.06 (48) 0.07 (27) 0.45 (13) 0.21 (16) | HMLHMLHM | - 0.010 - 0.013 - 0.020 | 3-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.85 (9) 0.02 (23) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.84 (9) 0.09 (23) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.83 (9) 0.02 (23) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) 0.17 (26) 0.83 (9) -0.01 (23) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.69 (9) 0.17 (24) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (29) 0.66 (9) 0.08 (24) | H L H M L H | - 0.010 - 0.013 - 0.020 |
| 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) 0.16 (15) -0.17 (12) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) 0.13 (15) -0.24 (12) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) -0.27 (15) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) 0.40 (13) 0.24 (16) -0.18 (12) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (8) 0.06 (48) 0.07 (27) 0.45 (13) 0.21 (16) -0.50 (15) | HMLHML | - 0.010 - 0.013 - 0.020 | 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.85 (9) 0.02 (23) 0.62 (8) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.84 (9) 0.09 (23) 0.36 (11) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.83 (9) 0.02 (23) 0.68 (8) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) 0.17 (26) 0.83 (9) -0.01 (23) -0.03 (11) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.69 (9) 0.17 (24) -0.62 (8) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.05 (65) 0.04 (29) 0.66 (9) 0.08 (24) -0.83 (11) | H H H H L H L | - 0.010 - 0.013 - 0.020 |
| 1 1 100-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) 0.16 (15) -0.17 (12) 0.46 (7) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) 0.94 (7) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) 0.13 (15) -0.24 (12) 0.10 (7) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) -0.27 (15) 0.13 (7) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.16 (24) 0.40 (13) 0.24 (16) -0.18 (12) 0.09 (7) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.07 (27) 0.45 (13) 0.21 (16) -0.50 (15) 0.41 (7) | H M L H M L H | - 0.010 - 0.013 - 0.020 0.020 | LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.85 (9) 0.02 (23) 0.62 (8) 0.62 (8) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.84 (9) 0.99 (23) 0.36 (11) 0.77 (8) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.83 (9) 0.02 (23) 0.68 (8) 0.45 (8) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) 0.17 (26) 0.83 (9) -0.01 (23) -0.03 (11) 0.46 (8) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.69 (9) 0.17 (24) -0.62 (8) 0.32 (8) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (29) 0.66 (9) 0.08 (24) -0.83 (11) 0.58 (8) | H M L H M L H | • 0.010 • 0.013 • 0.020 |
| -500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) 0.16 (15) -0.17 (12) 0.46 (7) 0.26 (23) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) 0.94 (7) 0.15 (24) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) 0.13 (15) -0.24 (12) 0.10 (7) 0.28 (23) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) -0.27 (15) 0.13 (7) 0.16 (24) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) 0.40 (13) 0.24 (16) -0.18 (12) 0.09 (7) 0.32 (24) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.07 (27) 0.45 (13) 0.21 (16) 0.21 (16) 0.41 (7) 0.09 (25) | H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 | +500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.62 (23) 0.62 (23) 0.62 (23) 0.49 (8) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.84 (9) 0.99 (23) 0.36 (11) 0.77 (8) 0.11 (23) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.83 (9) 0.02 (23) 0.68 (8) 0.45 (8) 0.26 (22) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) 0.17 (26) 0.83 (9) -0.01 (23) -0.03 (11) 0.46 (8) 0.14 (23) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.69 (9) 0.17 (24) 0.17 (24) 0.32 (8) 0.33 (23) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (29) 0.68 (24) 0.58 (8) 0.04 (24) | H M L H M L H M | 0.010 0.013 0.020 |
| 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.38 (41) 0.36 (22) 0.58 (13) 0.16 (15) -0.17 (12) 0.46 (7) 0.26 (23) 0.23 (10) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) 0.94 (7) 0.15 (24) -0.01 (12) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) 0.13 (15) -0.24 (12) 0.10 (7) 0.28 (23) 0.33 (10) | 532-nm Ext 0.10 (33) 0.66 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) -0.27 (15) 0.13 (7) 0.16 (24) -0.12 (12) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) 0.40 (13) 0.24 (16) -0.18 (12) 0.09 (7) 0.32 (24) -0.34 (10) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.07 (27) 0.45 (13) 0.21 (16) -0.50 (15) 0.41 (7) 0.99 (25) -0.56 (12) | HMLHMLHML | - 0.010 - 0.013 - 0.020 - 0.0020 - 0.040(cjeut | 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.62 (23) 0.62 (8) 0.49 (8) 0.22 (22) 0.03 (10) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.00 (26) 0.09 (23) 0.63 (11) 0.77 (8) 0.11 (23) -0.01 (12) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.83 (9) 0.02 (23) 0.68 (8) 0.45 (8) 0.46 (22) 0.03 (10) | 532-nm Ext 0.13 (27) 0.33 (60) 0.15 (25) 0.21 (26) 0.33 (60) 0.17 (26) 0.83 (9) -0.01 (23) -0.03 (11) 0.46 (8) 0.14 (23) -0.12 (12) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.69 (9) 0.17 (24) -0.62 (8) 0.32 (8) 0.33 (23) -0.34 (10) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (28) 0.08 (24) -0.38 (11) 0.58 (8) 0.04 (24) -0.56 (12) | H M L H M L H M L | • 0.010 • 0.013 • 0.020 |
| LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) 0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) 0.16 (15) -0.17 (12) 0.46 (7) 0.26 (23) 0.33 (10) 0.21 (10) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) 0.08 (24) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) 0.94 (7) 0.15 (24) -0.01 (12) 0.11 (15) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) 0.13 (15) -0.24 (12) 0.10 (7) 0.28 (23) 0.03 (10) 0.26 (10) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) 0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) -0.27 (15) 0.13 (7) 0.16 (24) -0.12 (12) 0.20 (15) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.17 (44) 0.14 (46) 0.16 (24) 0.40 (13) 0.24 (16) -0.18 (12) 0.09 (7) 0.32 (24) -0.34 (10) 0.28 (13) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.06 (48) 0.07 (27) 0.45 (13) 0.21 (16) -0.50 (15) 0.41 (7) 0.09 (25) -0.56 (12) 0.07 (18) | H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.000 - using contraction - 0.0400 - | LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT 0.20 (25) 0.99 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.85 (9) 0.02 (23) 0.62 (8) 0.49 (8) 0.22 (22) 0.33 (10) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.84 (9) 0.09 (23) 0.36 (11) 0.77 (8) 0.11 (23) -0.01 (12) 0.13 (26) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.68 (8) 0.62 (23) 0.68 (8) 0.45 (8) 0.45 (8) 0.66 (22) 0.63 (10) 0.40 (19) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.03 (60) 0.17 (26) 0.03 (60) 0.17 (26) 0.63 (9) -0.01 (23) -0.03 (11) 0.46 (8) 0.14 (23) -0.12 (12) 0.16 (26) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (61) 0.12 (26) 0.69 (9) 0.17 (24) -0.62 (8) 0.32 (8) 0.33 (23) -0.34 (10) 0.29 (22) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (28) 0.06 (9) 0.08 (24) -0.38 (11) 0.56 (12) 0.07 (29) | H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.040 0 - 0.0400 0 - 0. |
| -700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.36 (22) 0.58 (13) 0.16 (15) -0.17 (12) 0.46 (7) 0.26 (23) 0.03 (10) 0.21 (10) 0.15 (54) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) 0.94 (7) 0.15 (24) -0.01 (12) 0.11 (15) 0.04 (58) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.43 (22) 0.56 (13) 0.13 (15) -0.24 (12) 0.10 (7) 0.28 (23) 0.03 (10) 0.26 (10) 0.25 (54) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) -0.27 (15) 0.13 (7) 0.16 (24) -0.12 (12) 0.20 (15) 0.02 (58) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) 0.44 (13) 0.24 (16) -0.18 (12) 0.09 (7) 0.32 (24) -0.34 (10) 0.28 (13) 0.09 (59) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.07 (27) 0.45 (13) 0.21 (16) -0.50 (15) 0.41 (7) 0.09 (25) -0.56 (12) 0.07 (18) -0.22 (63) | H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.04 | -700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.62 (23) 0.62 (8) 0.49 (8) 0.22 (22) 0.31 (10) 0.38 (19) 0.08 (56) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.99 (23) 0.36 (11) 0.77 (8) 0.11 (23) -0.01 (12) 0.13 (26) 0.01 (58) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.63 (9) 0.02 (23) 0.68 (8) 0.45 (8) 0.26 (22) 0.3 (10) 0.40 (19) 0.08 (56) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.03 (60) 0.17 (26) 0.38 (9) -0.01 (23) -0.03 (11) 0.46 (8) 0.14 (23) -0.12 (12) 0.16 (26) -0.00 (58) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (61) 0.12 (26) 0.69 (9) 0.17 (24) -0.62 (8) 0.32 (8) 0.33 (23) -0.34 (10) 0.29 (22) 0.86 (62) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (29) 0.66 (9) 0.08 (24) -0.38 (11) 0.58 (8) 0.04 (24) -0.56 (12) 0.07 (29) 0.02 (54) | H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.040 0 - 0.0400 0 - 0. |
| 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) 0.58 (13) 0.16 (15) -0.17 (12) 0.46 (7) 0.26 (23) 0.03 (10) 0.21 (10) 0.21 (10) 0.51 (54) -0.02 (39) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) 0.15 (24) -0.01 (12) 0.11 (15) 0.04 (58) -0.13 (39) | 355-nm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.20 (41) 0.20 (41) 0.20 (41) 0.56 (13) 0.13 (15) -0.24 (12) 0.10 (7) 0.28 (23) 0.3 (10) 0.26 (10) 0.26 (10) 0.15 (54) 0.21 (39) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) -0.27 (15) 0.13 (7) 0.16 (24) -0.12 (12) 0.20 (15) 0.02 (58) 0.05 (39) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.40 (13) 0.24 (16) -0.18 (12) 0.09 (7) 0.32 (24) -0.34 (10) 0.28 (13) 0.9 (59) 0.26 (40) | 532-nm Bsc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.06 (48) 0.07 (27) 0.45 (13) 0.21 (16) -0.50 (15) 0.41 (7) 0.92 (5) -0.56 (12) 0.07 (18) -0.02 (63) 0.27 (40) | H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 - 0.040 | 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.62 (8) 0.62 (8) 0.49 (8) 0.22 (22) 0.03 (10) 0.38 (19) 0.08 (56) -0.08 (28) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (60) 0.10 (26) 0.84 (9) 0.09 (23) 0.36 (11) 0.77 (8) 0.11 (23) -0.01 (12) 0.13 (26) 0.01 (58) -0.13 (28) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.13 (56) 0.41 (23) 0.68 (8) 0.68 (8) 0.45 (8) 0.26 (22) 0.03 (10) 0.40 (19) 0.80 (56) 0.14 (28) | 532-nm Ext 0.13 (27) 0.33 (60) 0.15 (25) 0.21 (26) 0.33 (60) 0.17 (26) 0.33 (11) -0.03 (11) 0.46 (8) 0.14 (23) -0.12 (12) 0.16 (26) -0.00 (58) -0.02 (28) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (61) 0.12 (26) 0.17 (24) -0.62 (8) 0.32 (8) 0.33 (23) -0.34 (10) 0.29 (22) 0.08 (62) 0.26 (28) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.05 (65) 0.04 (29) 0.66 (9) 0.68 (24) -0.38 (8) 0.04 (24) -0.56 (12) 0.07 (29) 0.02 (64) 0.27 (28) | H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.020 - 0.040 - 0.04 |
| x 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.18 (41) 0.36 (22) 0.58 (13) 0.16 (15) -0.17 (12) 0.46 (7) 0.26 (23) 0.31 (10) 0.31 (54) -0.02 (39) 0.24 (16) | 532-nm AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) 0.94 (7) 0.15 (24) -0.01 (12) 0.04 (58) -0.13 (39) 0.14 (16) | 355-m Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.04 (40) 0.20 (41) 0.30 (31) 0.31 (15) -0.24 (12) 0.10 (7) 0.26 (10) 0.26 (10) 0.21 (39) 0.30 (16) | 532-nm Ext 0.10 (33) 0.06 (57) 0.12 (22) 0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.13 (15) 0.13 (15) 0.13 (15) 0.13 (17) 0.16 (24) 0.12 (12) 0.20 (15) 0.02 (58) 0.05 (39) 0.82 (16) | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.16 (24) 0.40 (13) 0.24 (16) -0.18 (12) 0.09 (7) 0.32 (24) -0.34 (10) 0.28 (13) 0.28 (13) 0.29 (59) 0.26 (40) 0.37 (16) | 532-nm 8sc 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (28) 0.07 (28) 0.07 (28) 0.07 (27) 0.45 (13) 0.21 (16) -0.50 (15) 0.41 (7) 0.09 (5) 0.41 (7) 0.09 (5) 0.07 (18) -0.02 (63) 0.27 (40) 0.26 (16) | H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.0400 - 0.0400 - 0.0400 - onfticient | x 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (25) 0.37 (22) 0.37 (22) 0.36 (24) 0.36 (23) 0.62 (8) 0.42 (8) 0.42 (8) 0.42 (8) 0.38 (19) 0.08 (56) 0.082 (8) 0.22 (12) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.20 (60) 0.10 (26) 0.30 (12) 0.36 (11) 0.77 (8) 0.11 (23) -0.01 (12) 0.13 (26) 0.01 (58) -0.13 (28) -0.13 (28) | 355-m Ext 0.17 (25) 0.33 (56) 0.43 (22) 0.35 (24) 0.35 (24) 0.35 (24) 0.43 (23) 0.68 (8) 0.45 (8) 0.45 (8) 0.46 (8) 0.46 (19) 0.40 (19) 0.08 (56) 0.14 (28) | 532-nm Ext 0.13 (27) 0.33 (60) 0.15 (25) 0.21 (26) 0.37 (26) 0.37 (26) 0.01 (23) -0.01 (23) -0.03 (11) 0.46 (8) 0.14 (23) -0.12 (12) 0.16 (26) -0.00 (58) -0.02 (28) 0.28 (12) | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.69 (9) 0.77 (24) -0.62 (8) 0.32 (8) 0.33 (23) -0.34 (10) 0.29 (22) 0.08 (62) 0.26 (28) 0.26 (28) 0.26 (28) | 532-nm Bsc -0.09 (29) 0.8 (66) 0.04 (28) 0.05 (65) 0.04 (29) 0.06 (24) 0.08 (24) -0.83 (11) 0.58 (6) 0.04 (24) -0.56 (12) 0.07 (29) 0.02 (64) 0.27 (28) 0.26 (12) | H M L H M L H M L H M L H | 0.010 0 0.013 0.0200 0000.0 0.040.0 0.040.0 0.040.0 0 0.040.0 0 0.040.0 |
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| Kindex 850-700 LR 850-500 LR 700-500 LR T _a 925 hPa T _a 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) 0.38 (19) 0.38 (14) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (15) 0.36 (15) 0.36 (15) 0.36 (15) 0.36 (10) 0.32 (10) 0.21 (10) 0.24 (16) -0.28 (14) | 532-m AOT 0.06 (33) 0.02 (57) 0.08 (22) -0.08 (44) 0.14 (43) 0.09 (25) 0.58 (13) 0.34 (15) -0.11 (15) 0.94 (7) 0.15 (24) -0.01 (12) 0.11 (15) 0.04 (58) -0.13 (39) 0.14 (16) -0.35 (10) | 355-m Ext 0.20 (31) 0.42 (19) 0.42 (19) 0.42 (19) 0.42 (19) 0.43 (10) 0.55 (13) 0.35 (13) 0.36 (13) 0.36 (10) 0.26 (23) 0.35 (14) 0.30 (14) 0.35 (14) | 532-nm Ext 0.10 (33) 0.66 (57) 0.12 (22) -0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.54 (13) 0.54 (13) 0.13 (15) -0.27 (15) 0.13 (17) 0.16 (24) -0.12 (12) 0.20 (15) 0.20 (25) 0.20 (5) 0.20 (15) 0.23 (17) 0.23 (17) 0.23 (17) 0.24 (15) 0.25 (12) 0.25 (12 | 355-nm Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.19 (21) 0.14 (46) 0.16 (24) 0.40 (13) 0.24 (16) -0.18 (12) 0.09 (7) 0.32 (24) -0.34 (10) 0.23 (24) -0.34 (10) 0.23 (24) 0.09 (59) 0.26 (40) 0.37 (16) -0.31 (14) 0.28 (11) | 532-nm 8x 0.11 (36) 0.04 (63) 0.06 (24) 0.07 (48) 0.07 (48) 0.07 (77) 0.45 (13) 0.21 (16) 0.45 (13) 0.21 (16) 0.45 (13) 0.21 (16) 0.56 (12) 0.07 (18) 0.02 (61) 0.02 (61) 0.27 (40) 0.27 (40) 0.26 (16) 0.43 (17) 0.29 (11) | H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.04 | K-index 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.11 (56) 0.36 (23) 0.62 (8) 0.02 (23) 0.62 (8) 0.02 (23) 0.03 (10) 0.33 (10) 0.38 (19) 0.03 (15) 0.08 (28) 0.22 (12) 0.09 (19) 0.30 (9) | 532-nm AOT 0.24 (27) 0.09 (25) 0.11 (26) 0.02 (26) 0.10 (26) 0.10 (26) 0.36 (11) 0.36 (11) 0.37 (18) 0.01 (12) 0.01 (22) 0.13 (28) 0.01 (28) 0.01 (28) 0.01 (28) 0.01 (28) 0.01 (28) 0.01 (28) 0.01 (28) 0.01 (28) 0.03 (69) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.35 (24) 0.43 (23) 0.43 (23) 0.68 (8) 0.02 (23) 0.68 (8) 0.02 (23) 0.68 (6) 0.45 (8) 0.26 (22) 0.03 (10) 0.40 (19) 0.40 (19) 0.27 (19) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.33 (60) 0.17 (26) 0.33 (60) 0.33 (60) 0.34 (23) 0.34 (23) 0.35 (26) 0.35 (26) 0.35 | 355-nm Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.669 (9) 0.17 (24) -0.62 (8) 0.32 (8) 0.33 (23) -0.34 (10) 0.9 (62) 0.26 (28) 0.36 (12) -0.35 (19) -0.51 (19) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.04 (28) 0.04 (28) 0.05 (65) 0.04 (28) 0.04 (29) 0.05 (61) 0.06 (9) 0.08 (24) -0.68 (9) 0.05 (12) 0.07 (29) 0.07 (28) 0.02 (64) 0.27 (28) 0.27 (28) 0.21 (22) 0.01 (10) | H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 00 - 0.0400 00 - 0.0400 00 - 0.0400 00 - 0.040000000000000000000000000000000000 |
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| w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (33) 0.12 (33) 0.38 (19) 0.02 (40) 0.36 (22) 0.55 (13) 0.36 (22) 0.55 (13) 0.36 (22) 0.37 (23) 0.36 (23) 0.37 (23) 0.37 (23) 0.32 (27) 0.32 (27) 0.33 (24) 0.32 (27) 0.33 (24) 0.33 (25) 0.33 (25) 0.35 | 532-mm AOT 0.06 (33) 0.02 (57) 0.08 (22) 0.08 (22) 0.08 (22) 0.09 (25) 0.58 (13) 0.34 (15) 0.34 (15) 0.34 (15) 0.31 (15) 0.44 (16) -0.31 (17) 0.55 (10) 0.31 (17) 0.55 (10) 0.31 (17) 0.55 (10) 0.31 (17) 0.57 (14) 0.44 (16) 0.31 (17) 0.57 (14) 0.43 (16) 0.33 (11) 0.43 (16) 0.33 (11) 0.44 (16) 0.44 (16) | 355-mm Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.42 (19) 0.44 (40) 0.20 (41) 0.43 (22) 0.43 (22) 0.43 (22) 0.43 (22) 0.43 (22) 0.43 (22) 0.43 (22) 0.43 (22) 0.43 (23) 0.43 (21) 0.43 | 532-m Ext 0.10 (33) 0.06 (57) 0.12 (22) 0.12 (22) 0.12 (22) 0.13 (7) 0.54 (13) 0.3 (15) 0.27 (15) 0.27 (15) 0.21 (15) 0.21 (15) 0.20 (15) 0.22 (15) 0.22 (15) 0.23 (17) 0.26 (15) 0.28 (16) 0.28 (16) 0. | 355-m Bsc 0.15 (34) 0.15 (34) 0.17 (44) 0.19 (21) 0.17 (44) 0.40 (13) 0.24 (16) 0.08 (13) 0.24 (16) 0.09 (7) 0.32 (24) 0.28 (13) 0.92 (40) 0.26 (40) 0.33 (14) 0.26 (40) 0.33 (14) 0.33 (28) 0.03 (28) 0 | 532-nm Bsc 0.11 (36) 0.04 (36) 0.05 (24) 0.07 (48) 0.07 (48) 0.07 (27) 0.45 (13) 0.27 (16) 0.05 (15) 0.41 (7) 0.95 (15) 0.41 (7) 0.95 (15) 0.41 (7) 0.95 (15) 0.41 (7) 0.95 (15) 0.27 (40) 0.27 (40) 0.26 (16) 0.21 (30) 0.27 (30) 0.05 (52) 0.15 (25) 0.15 (25) 0.1 | H M L H M L H M L H M L H M L H M L H M L H M L H | 1010 | w CAPE LCL Alt K-index 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (56) 0.37 (22) 0.26 (24) 0.36 (23) 0.36 (23) 0.36 (23) 0.36 (23) 0.36 (23) 0.36 (23) 0.49 (8) 0.22 (22) 0.03 (10) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.30 (19) 0.30 (19) 0.30 (19) 0.31 (27) 0.31 (27) | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.02 (26) 0.01 (26) 0.03 (21) 0.01 (22) 0.01 (22) 0.01 (22) 0.01 (22) 0.01 (22) 0.03 (61) 0.03 (30) 0.02 (30) 0.03 (30) 0.02 (30) 0.02 (30) 0.03 (30) 0.02 (30) 0.02 (30) 0.03 (30) 0.02 (30) 0.03 (30) 0.03 (30) 0.02 (30) 0.02 (30) 0.03 (30) 0.03 (30) 0.02 (30) 0.02 (30) 0.03 (30) 0.03 (30) 0.02 (30) 0.03 (30) 0.02 (30) 0.03 (30) 0.02 (30) 0.03 (30) 0.02 (30) 0.02 (30) 0.03 (30) | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.35 (24) 0.35 (24) 0.41 (23) 0.41 (23) 0.41 (23) 0.42 (23) 0.42 (23) 0.45 (8) 0.45 (8) 0.45 (8) 0.45 (8) 0.45 (8) 0.46 (8) 0.46 (19) 0.40 (19) 0.40 (19) 0.40 (19) 0.41 (28) 0.41 (28) 0.41 (28) 0.42 (29) 0.45 (49) 0.15 (49) 0.24 (27) 0.24 (27) 0.24 (27) 0.24 (27) | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.33 (60) 0.37 (26) 0.37 (26) 0.38 (9) -0.01 (21) 0.046 (8) 0.03 (11) 0.46 (8) 0.12 (12) 0.16 (26) -0.02 (28) 0.02 (28) 0.02 (28) 0.02 (28) 0.02 (28) 0.25 (9) 0.24 (31) 0.05 (30) 0.05 (51) 0.03 (30) 0.05 (54) 0.05 (54) 0.05 (54) | 355-m Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (11) 0.12 (26) 0.22 (26) 0.32 (8) 0.32 (8) 0.32 (8) 0.32 (8) 0.32 (8) 0.33 (23) -0.34 (10) 0.29 (22) 0.86 (62) 0.26 (28) 0.36 (12) -0.56 (19) -0.11 (10) 0.28 (30) 0.44 (55) 0.17 (29) 0.31 (27) 0.11 (57) 0.10 (30) 0.24 (25) 0.31 (27) 0.31 (30) 0.32 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.31 (30) 0.32 (30) 0.32 (30) 0.31 (30) 0.32 (30) 0.31 (30) 0.32 (30) 0.32 (30) 0.31 (30) 0.32 (30) 0.32 (30) 0.32 (30) 0.32 (30) 0.33 (30) 0.31 (30) 0.32 (30) 0 | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.05 (65) 0.04 (28) 0.04 (29) 0.05 (60) 0.05 (80) 0.05 (80) 0.05 (80) 0.07 (29) 0.05 (12) 0.07 (29) 0.02 (61) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.03 (11) 0.04 (29) 0.05 (60) 0.11 (13) 0.05 (62) 0.01 (13) | H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H | 0.010 0.013 0.020 0.040 0.040 0.040 0.040 0.040 0.020 0.041 0.020 |
| -hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) -0.02 (40) 0.38 (14) 0.36 (22) 0.58 (13) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (21) 0.17 (12) 0.21 (10) 0.15 (54) -0.02 (10) 0.31 (27) 0.32 (27) 0.32 (27) 0.32 (28) 0.33 (21) 0.32 (21) 0.3 | 532-m AOT 0.06 (33) 0.02 (57) 0.08 (22) 0.08 (22) 0.09 (25) 0.94 (43) 0.94 (43) 0.94 (15) 0.94 (7) 0.15 (24) -0.01 (12) 0.04 (58) -0.13 (39) 0.14 (16) -0.31 (17) 0.5 (10) 0.17 (29) -0.03 (41) 0.03 (41) 0.12 (45) -0.11 (27) 0.5 (12) -0.17 (21) 0.5 (12) -0.17 (21) -0.17 | 355-m Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.42 (19) 0.42 (19) 0.43 (22) 0.56 (13) 0.3 (15) -0.24 (12) 0.03 (16) 0.10 (7) 0.28 (23) 0.03 (16) 0.26 (10) 0.26 (10) 0.26 (10) 0.37 (39) 0.30 (16) 0.30 (16) 0.30 (16) 0.31 (10) 0.37 (39) 0.31 (12) 0.37 (39) 0.32 (37) 0.12 (42) 0.22 (33) 0.22 (42) 0.22 (33) 0.22 (42) 0.22 (33) 0.22 (42) 0.22 (33) 0.22 (43) 0.22 (33) 0.22 (33) 0 | 532-m Ext 0.10 (33) 0.06 (57) 0.12 (22) 0.07 (44) 0.14 (43) 0.31 (57) 0.54 (13) 0.31 (7) 0.54 (13) 0.31 (7) 0.52 (15) 0.22 (15) 0.22 (15) 0.22 (15) 0.22 (15) 0.23 (15) 0.23 (15) 0.24 (12) 0.26 (15) 0.26 (15) 0. | 355-m Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.40 (13) 0.40 (13) | 532-m Bec 532-m Bec 0.11 (36) 0.04 (36) 0.05 (24) 0.05 (24) 0.07 (48) 0.07 (48) 0.07 (48) 0.07 (18) 0.07 (18) 0.04 (7) 0.04 (7) 0.05 (51) 0.07 (18) 0.02 (63) 0.07 (18) 0.02 (63) 0.07 (18) 0.02 (63) 0.02 (10) 0.05 (21) 0.05 (21) 0. | H M L H M L H M L H M L H M L H M L H M L H M | 0.010 0.013 0.020 0.020 0.020 0.040 | -hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (55) 0.37 (22) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.27 (21) 0.08 (56) -0.08 (56) -0.08 (56) -0.08 (56) 0.22 (12) 0.29 (12) 0.29 (12) 0.31 (29) 0.31 (2 | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.09 (25) 0.10 (26) 0.02 (26) 0.03 (21) 0.03 (21) 0.01 (28) -0.01 (12) 0.01 (58) -0.01 (58) -0.01 (58) -0.01 (22) 0.00 (22) 0.07 (12) 0.00 (22) 0.06 (51) 0.03 (30) 0.02 (30) 0.02 (30) 0.02 (30) 0.02 (30) 0.02 (30) 0.03 (28) 0.03 (28) 0.03 (27) 0.03 (28) 0.03 | 355-nm Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.35 (24) 0.35 (24) 0.43 (23) 0.68 (8) 0.04 (12) 0.68 (8) 0.68 (8) 0.45 (8) 0.45 (8) 0.45 (8) 0.45 (8) 0.45 (8) 0.40 (19) 0.04 (19) 0.29 (12) 0.04 (19) 0.29 (12) 0.04 (19) 0.27 (9) 0.37 (| 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.21 (26) 0.33 (60) 0.17 (26) 0.03 (11) 0.046 (8) 0.14 (23) -0.03 (11) 0.046 (8) 0.14 (23) -0.03 (11) 0.046 (8) 0.14 (23) -0.02 (12) 0.05 (30) 0.28 (12) -0.09 (22) 0.28 (12) -0.09 (22) 0.28 (12) -0.09 (22) 0.28 (12) -0.06 (51) 0.05 (30) 0.05 (30) 0.0 | 355-m Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.069 (9) 0.17 (24) -0.62 (8) 0.33 (23) -0.34 (10) 0.29 (22) 0.08 (62) 0.26 (28) 0.36 (12) -0.56 (19) -0.11 (57) 0.11 (5 | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.55 (65) 0.04 (28) 0.44 (28) 0.45 (28) 0.46 (28) 0.46 (29) 0.66 (9) 0.68 (11) 0.70 (29) 0.02 (64) 0.27 (28) 0.26 (12) 0.21 (22) 0.11 (31) 0.11 (31) 0.05 (62) 0.01 (31) 0.07 (29) | н М | 010.0 - 0.010 |
| 700-hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.14 (31) 0.12 (53) 0.38 (19) 0.38 (19) 0.38 (14) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (22) 0.36 (22) 0.37 (10) 0.21 (10) 0.22 (10) 0.22 (10) 0.22 (10) 0.22 (10) 0.22 (10) 0.22 (10) 0.22 (10) 0.22 (10) 0.22 (10) 0.23 (22) 0.33 (24) 0.37 | 532-m AOT 0.06 (33) 0.02 (27) 0.08 (22) 0.08 (22) 0.08 (24) 0.04 (43) 0.04 (43) 0.04 (53) 0.34 (15) 0.34 (15) 0.34 (15) 0.31 (15) 0.15 (24) 0.11 (15) 0.04 (58) 0.04 (58) 0.04 (58) 0.31 (17) 0.55 (10) 0.31 (17) 0.55 (10) 0.31 (29) 0.07 (34) 0.03 (26) 0.32 (26) 0.33 (27) 0.12 (25) 0.11 (27) 0.12 (15) 0.07 (34) 0.07 (34) | 355-m Ext 0.20 (31) 0.15 (53) 0.42 (19) 0.42 (19) 0.43 (19) 0.56 (13) 0.3 (15) -0.24 (12) 0.3 (15) -0.24 (12) 0.3 (10) 0.26 (10) 0.26 (10) 0.26 (10) 0.26 (10) 0.26 (10) 0.26 (10) 0.26 (10) 0.30 (16) 0.30 (16) 0.31 (22) 0.22 (33) 0.24 (12) 0.22 (33) 0.24 (12) 0.23 (32) 0.24 (12) 0.25 (12) 0 | 532-m Ext 0.10 (33) 0.06 (57) 0.12 (22) 0.07 (44) 0.14 (43) 0.17 (25) 0.54 (13) 0.3 (15) -0.27 (15) 0.27 (15) 0.13 (7) 0.16 (24) -0.12 (21) 0.20 (15) 0.20 (15) 0.20 (15) 0.23 (17) 0.26 (10) 0.26 (10) | 355-m Bsc 0.15 (34) 0.15 (59) 0.19 (21) 0.17 (44) 0.14 (46) 0.40 (13) 0.24 (16) -0.18 (12) 0.32 (24) -0.34 (10) 0.32 (24) -0.34 (10) 0.32 (24) -0.34 (10) 0.37 (16) -0.31 (14) 0.37 (15) 0.37 (1 | 532-nm Bsc 0.11 (36) 0.04 (30) 0.05 (24) 0.07 (48) 0.07 (48) 0.07 (48) 0.07 (14) 0.07 (15) 0.21 (16) 0.09 (25) 0.09 (25) 0.07 (18) 0.27 (40) 0.27 (40) 0.27 (40) 0.26 (16) 0.04 3 (17) 0.29 (11) 0.22 (11) 0.22 (11) 0.22 (11) 0.25 (11 | H M L H M L H M L H M L H M L H M L H M L H M L | 0.010 0.013 0.020 0.020 0.020 0.020 0.040 0.020 0.040 0 | 700-hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.20 (25) 0.09 (26) 0.37 (22) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.26 (24) 0.22 (22) 0.30 (19) 0.38 (19) 0.39 (19) 0.30 (19) 0.31 (27) 0.31 | 532-nm AOT 0.24 (27) -0.00 (60) 0.09 (25) 0.11 (26) 0.09 (25) 0.10 (26) 0.00 (23) 0.36 (11) 0.01 (58) -0.11 (23) -0.01 (58) -0.13 (28) 0.01 (58) -0.13 (28) 0.01 (58) -0.13 (28) 0.00 (22) 0.36 (9) 0.03 (30) 0.03 (30) 0.03 (30) 0.02 (21) 0.03 (21) 0.03 (30) 0.02 (21) 0.03 | 355-m Ext 0.17 (25) 0.13 (56) 0.43 (22) 0.43 (22) 0.43 (24) 0.43 (24) 0.02 (23) 0.68 (8) 0.04 (13) 0.45 (8) 0.26 (22) 0.33 (10) 0.40 (19) 0.40 (19) 0.40 (19) 0.40 (19) 0.40 (19) 0.27 (9) 0.27 | 532-nm Ext 0.13 (27) 0.03 (60) 0.15 (25) 0.21 (26) 0.21 (26) 0.23 (9) 0.01 (23) -0.01 (23) -0.01 (23) -0.01 (23) -0.14 (23) -0.14 (23) -0.14 (23) -0.16 (26) 0.04 (68) -0.02 (28) -0.02 (28) -0. | 355-m Bsc -0.02 (27) 0.19 (62) 0.14 (25) 0.18 (27) 0.18 (61) 0.12 (26) 0.17 (24) -0.62 (8) 0.33 (23) -0.34 (10) 0.29 (22) 0.26 (28) 0.36 (28) 0.36 (28) 0.36 (28) 0.36 (28) 0.36 (28) 0.36 (28) 0.37 (10) 0.28 (28) 0.36 (28) 0.36 (28) 0.37 (10) 0.28 (28) 0.37 (10) 0.28 (28) 0.31 (27) 0.31 (27) | 532-nm Bsc -0.09 (29) 0.08 (66) 0.04 (28) 0.14 (29) 0.56 (65) 0.04 (28) 0.05 (65) 0.05 (61) 0.05 (61) 0.05 (61) 0.05 (61) 0.07 (29) 0.02 (64) 0.27 (28) 0.27 (28) 0.20 (10) 0.27 (28) 0.20 (21) 0.01 (10) 0.02 (64) 0.27 (28) 0.21 (22) 0.01 (10) 0.20 (62) 0.01 (10) 0.05 (65) 0.11 (31) 0.11 (31) 0.07 (29) 0.11 (31) 0.07 (29) 0.11 (31) | H M L H M L H M L H M L H M L H M L H M L H M L | 0.010 0.013 0.020 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.041 0.040 0.041 |

Figure S2: As in Fig. S1 but using AMPR 10.7-GHz polarization-corrected temperature (PCT) as the convective parameter.

| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
|--|--|---|--|--|--|--|---|--|---|--|--|--|--|--|---|--|
| ε | 0.06 (30) | -0.06 (32) | 0.18 (30) | 0.03 (32) | 0.29 (33) | 0.24 (35) | н | <u>د</u> | -0.08 (34) | -0.12 (36) | -0.01 (34) | -0.11 (36) | 0.24 (37) | 0.19 (39) | н | |
| d 1 k | 0.01 (62) | -0.09 (66) | 0.08 (62) | -0.01 (66) | 0.27 (70) | 0.15 (74) | м | - 0.010 | 0.07 (41) | -0.04 (43) | 0.12 (41) | 0.03 (43) | 0.34 (45) | 0.17 (47) | м | - 0.010 |
| ۲ | 0.54 (11) | 0.18 (14) | 0.30 (11) | 0.04 (14) | 0.12 (11) | -0.09 (14) | L | | 0.06 (28) | -0.07 (33) | 0.14 (28) | -0.01 (33) | 0.20 (32) | 0.07 (37) | L | |
| hPa | -0.14 (46) | -0.22 (50) | 0.01 (46) | -0.15 (50) | 0.35 (50) | 0.21 (54) | н | edu | 0.02 (34) | -0.09 (37) | 0.12 (34) | -0.05 (37) | 0.32 (37) | 0.14 (40) | н | |
| 925 | 0.01 (39) | -0.05 (41) | 0.07 (39) | 0.01 (41) | 0.18 (45) | 0.10 (47) | м | - 0.013 | -0.01 (36) | -0.11 (39) | 0.08 (36) | -0.01 (39) | 0.29 (41) | 0.17 (44) | м | - 0.013 |
| F | 0.55 (18) | 0.28 (21) | 0.44 (18) | 0.20 (21) | 0.16 (19) | 0.04 (22) | L | P | 0.10 (33) | -0.01 (36) | 0.14 (33) | 0.02 (36) | 0.20 (36) | 0.12 (39) | L | |
| 0 LR | 0.65 (11) | 0.65 (11) | 0.61 (11) | 0.60 (11) | 0.48 (11) | 0.54 (11) | н | 810 | 0.63 (13) | 0.62 (13) | 0.61 (13) | 0.59 (13) | 0.45 (13) | 0.52 (13) | н | |
| 0-50 | -0.05 (19) | 0.09 (19) | -0.05 (19) | -0.05 (19) | 0.04 (20) | 0.02 (20) | м | - 0.020 | 0.09 (15) | 0.28 (15) | 0.06 (15) | 0.06 (15) | 0.20 (16) | 0.16 (16) | м | - 0.020 |
| 70 | 0.11 (10) | 0.07 (13) | 0.10 (10) | -0.21 (13) | 0.26 (10) | -0.71 (13) | L | cient 70 | -0.34 (12) | -0.29 (15) | -0.35 (12) | -0.38 (15) | 0.05 (12) | -0.52 (15) | L | cient |
| 0 LR | 0.43 (5) | 0.99 (5) | 0.62 (5) | 0.50 (5) | 0.59 (5) | 0.64 (5) | н | effic | 0.28 (12) | 0.48 (12) | 0.27 (12) | 0.27 (12) | 0.40 (12) | 0.47 (12) | н | effic |
| 0-50 | 0.09 (28) | 0.01 (29) | 0.14 (28) | 0.06 (29) | 0.40 (29) | 0.05 (30) | м | - 0.040 0 0 | -0.00 (15) | -0.18 (16) | 0.06 (15) | -0.10 (16) | 0.67 (15) | -0.14 (16) | м | - 0.040 0 |
| 85 | 0.34 (7) | 0.06 (9) | 0.61 (7) | 0.18 (9) | -0.18 (7) | -0.20 (9) | L | atio 85 | -0.11 (13) | -0.07 (15) | -0.10 (13) | -0.14 (15) | -0.40 (14) | -0.53 (16) | L | atio |
| 0 LR | 0.23 (5) | 0.59 (8) | 0.18 (5) | 0.38 (8) | 0.25 (7) | 0.28 (10) | н | Orre | 0.21 (30) | 0.08 (37) | 0.22 (30) | 0.11 (37) | 0.15 (33) | 0.02 (40) | н | orre |
| 0-70 | 0.05 (54) | -0.05 (60) | 0.06 (54) | -0.05 (60) | 0.14 (60) | -0.01 (66) | м | - inf 0 02-0 | -0.02 (36) | -0.08 (38) | -0.01 (36) | -0.10 (38) | 0.09 (42) | -0.02 (44) | м | - inf O |
| 85 | -0.20 (44) | -0.33 (44) | 0.11 (44) | -0.12 (44) | 0.42 (45) | 0.41 (45) | L | 85 85 | -0.35 (37) | -0.44 (37) | 0.01 (37) | -0.29 (37) | 0.47 (37) | 0.47 (37) | L | sars |
| lex | 0.05 (17) | -0.02 (18) | 0.11 (17) | 0.06 (18) | 0.38 (17) | 0.05 (18) | н | a a | 0.06 (14) | -0.06 (14) | 0.13 (14) | 0.09 (14) | 0.40 (14) | 0.11 (14) | н | E E |
| KInc | -0.05 (14) | -0.16 (16) | -0.05 (14) | -0.17 (16) | -0.06 (14) | -0.24 (16) | м | - 0.040 ይ | -0.24 (14) | -0.20 (17) | -0.28 (14) | -0.28 (17) | -0.29 (14) | -0.34 (17) | м | - 0.040 g |
| | 0.32 (9) | 0.38 (9) | 0.29 (9) | 0.26 (9) | -0.13 (10) | -0.01 (10) | L | alue | 0.53 (12) | 0.54 (12) | 0.54 (12) | 0.53 (12) | 0.31 (13) | 0.27 (13) | L | /alue |
| Alt | 0.28 (19) | 0.19 (21) | 0.27 (19) | 0.17 (21) | 0.36 (20) | 0.17 (22) | н | Alt P. | 0.05 (39) | -0.08 (41) | 0.15 (39) | 0.04 (41) | 0.40 (40) | 0.31 (42) | н | đ |
| ĽC | -0.03 (49) | -0.15 (53) | 0.07 (49) | -0.04 (53) | 0.25 (57) | 0.17 (61) | M | - 0.020 | 0.09 (28) | 0.01 (32) | 0.08 (28) | 0.00 (32) | -0.15 (36) | -0.18 (40) | M | - 0.020 |
| | -0.01 (35) | -0.06 (38) | 0.08 (35) | -0.07 (38) | 0.26 (37) | 0.12 (40) | L | | -0.03 (36) | -0.07 (39) | 0.07 (36) | -0.08 (39) | 0.26 (38) | 0.12 (41) | L | |
| 2 | 0.11 (17) | 0.16 (19) | 0.10 (17) | 0.03 (19) | 0.19 (17) | 0.13 (19) | н | 8 | -0.11 (37) | -0.20 (41) | -0.02 (37) | -0.14 (41) | 0.35 (38) | 0.14 (42) | н | |
| 8 | -0.03 (40) | -0.16 (44) | 0.09 (40) | -0.04 (44) | 0.42 (41) | 0.25 (45) | M | - 0.013 3 | 0.16 (35) | 0.06 (37) | 0.21 (35) | 0.17 (37) | 0.25 (38) | 0.28 (40) | M | - 0.013 |
| | 0.09 (46) | 0.07 (49) | 0.05 (46) | -0.02 (49) | -0.06 (56) | -0.18 (59) | L. | | 0.15 (31) | 0.09 (34) | 0.14 (31) | 0.03 (34) | 0.07 (38) | -0.11 (41) | 5 | |
| Pa w | -0.25 (15) | -0.27 (16) | -0.18 (15) | -0.26 (16) | 0.21 (16) | 0.09 (17) | H | × C | -0.16 (31) | -0.19 (35) | -0.09 (31) | -0.16 (35) | 0.28 (34) | 0.10 (38) | H | |
| IH-00 | 0.13 (59) | 0.04 (65) | 0.15 (59) | 0.07 (65) | 0.27 (63) | 0.13 (69) | [^M | - 0.010 | 0.20 (36) | 0.07 (39) | 0.23 (36) | 0.12 (39) | 0.33 (37) | 0.25 (40) | M | - 0.010 |
| ٢. | 0.13 (29) | -0.05 (31) | 0.27 (29) | 0.07 (31) | 0.17 (33) | 0.09 (35) | L, | | 0.13 (36) | -0.04 (38) | 0.25 (36) | 0.07 (38) | 0.13 (41) | 0.07 (43) | L, | • |
| | 355-pm A() | 532-nm 4U1 | 355-pm Ext | 532-000 EVE | 355-nm Rec | 532-nm Rec | | | 355-nm A() | 3 3 Z - 1 11 1 441 1 1 | 355-DD EYE | 532-000 EVE | 355-Dm BCC | 3 3 2 - 1 1 1 1 5 5 7 | | |
| | 355-nm AO1 | 532-nm AO1 | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm AO1 | 552-IIII AO1 | 355-nm Ext | 532-nm Ext | 355-nm BSC | 552-IIII BSC | | |
| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc 355-nm Bsc | 532-nm Bsc 532-nm Bsc | 1 | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc 355-nm Bsc | 532-nm Bsc | 1 | |
| , km | 355-nm AOT 355-nm AOT 0.05 (31) | 532-nm AOT 532-nm AOT -0.05 (33) | 355-nm Ext 355-nm Ext 0.15 (31) | 532-nm Ext 532-nm Ext 0.01 (33) | 355-nm Bsc 355-nm Bsc 0.27 (34) | 532-nm Bsc 532-nm Bsc 0.23 (36) | н | 0.010 | 355-nm AOT 355-nm AOT 0.21 (25) | 532-nm AOT 0.25 (27) | 355-nm Ext 355-nm Ext 0.18 (25) | 532-nm Ext 532-nm Ext 0.14 (27) | 355-nm Bsc 355-nm Bsc 0.00 (27) | 532-nm Bsc -0.07 (29) | Н | A 0.010 |
| T _d 1 km | 355-nm AOT 355-nm AOT 0.05 (31) 0.01 (53) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) | н | - 0.010 | 355-nm AOT 355-nm AOT 0.21 (25) -0.04 (56) | 532-nm AOT 532-nm AOT 0.25 (27) -0.13 (60) 0.03 (25) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) | 355-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) | 532-nm Bsc -0.07 (29) 0.14 (66) | н | - 0.010 |
| a T _d 1 km | 355-nm AOT 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) | H M L | - 0.010 | 355-nm AOT 355-nm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) | 532-nm AOT 532-nm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) | 355-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (25) | 532-nm Bsc 532-nm Bsc -0.07 (29) 0.14 (66) 0.15 (28) | H M L | - 0.010 |
| 25 hPa T _d 1 km | 355-nm AOT 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) | H M L H | - 0.010 | 355-nm AOT 355-nm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) | 532-nm AOT 532-nm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) | 355-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (25) 0.34 (27) 0.24 (61) | 532-nm Bsc 532-nm Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) | H M L H | - 0.010 |
| T _d 925 hPa T _d 1 km | 355-nm AOT 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (22) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.01 (48) 0.17 (27) | H M L H M L | - 0.010 - 0.013 0.013 | 355-nm AOT 355-nm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) | 532-IIII AOT 532-nm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) -0.03 (26) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) | 355-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) | 532-nm Bsc 532-nm Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) | H M L H | - 0.010 |
| LR T _d 925 hPa T _d 1 km | 355-nm AOT 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (22) 0.61 (13) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.59 (13) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.01 (48) 0.17 (27) 0.52 (13) | H M L H L L | - 0.010 - 44 start - 0.013 - 44 start - 0.013 - 44 start - 44 star | 355-nm AOT 355-nm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.90 (9) | 532-mm AOT 532-nm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) -0.03 (26) 0.89 (9) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) 0.89 (9) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.89 (9) | 355-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) | 532-nm Bsc 532-nm Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) | H M H M L | - 0.010 |
| 500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.28 (15) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (22) 0.61 (13) 0.06 (15) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.59 (13) 0.06 (15) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.20 (16) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) | H L H M L H | - 0.010 - 44 56 56 56 56 56 56 56 56 56 56 56 56 56 | 355-nm AOT 355-nm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.90 (9) -0.09 (23) | 532-IIII AOT 532-nm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.08 (60) -0.08 (60) -0.03 (26) 0.89 (9) -0.05 (23) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) 0.89 (9) -0.07 (23) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.89 (9) -0.13 (23) | 355-mm Bsc 355-mm Bsc 0.00 (27) 0.28 (62) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) | 532-mm Bsc 532-mm Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) | H L H L H | - 0.010 - 0.013 - 0.020 |
| 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOI 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.28 (15) -0.29 (15) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (22) 0.61 (13) 0.06 (15) -0.35 (12) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.59 (13) 0.06 (15) -0.38 (15) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.20 (16) 0.05 (12) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (15) | H H H L H L H L | - 0.010 44 12 14 14 14 14 14 14 14 14 14 14 14 14 14 | 355-m AOT 355-m AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) | 532-mi AOT 532-mi AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) -0.03 (26) 0.03 (26) -0.05 (23) 0.21 (11) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) 0.89 (9) -0.07 (23) 0.37 (8) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.89 (9) -0.13 (23) -0.02 (11) | 355-hm Bsc 355-hm Bsc 0.00 (27) 0.28 (62) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) -0.64 (8) | 532-1111 Bsc 532-nm Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) -0.07 (21) | H L H M L H | - 0.010 - 0.013 - 0.020 |
| .R 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOI 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.39 (7) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.28 (15) -0.29 (15) 0.90 (7) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (22) 0.61 (13) 0.06 (15) -0.35 (12) 0.22 (7) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.59 (13) 0.06 (15) -0.38 (15) 0.24 (7) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.20 (16) 0.05 (12) 0.21 (7) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (15) 0.51 (7) | H M L H M L H | - 0.010 - 0.013 - 0.013 - 0.020 - 0.02 | 355-nm AOI 355-nm AOT 0.21 (25) 0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.90 (9) -0.09 (23) 0.31 (8) 0.38 (8) | 532-mi AOT 532-mi AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) -0.03 (26) 0.89 (9) -0.05 (23) 0.21 (11) 0.67 (8) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) 0.89 (9) -0.07 (23) 0.37 (8) | 532-nm Ext 532-nm Ext 0.14 (27) 0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.89 (9) -0.13 (23) -0.02 (11) 0.38 (8) | 355-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (62) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) -0.64 (8) 0.35 (8) | 532-IIII Bsc 532-nm Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) -0.71 (11) 0.55 (8) | H M L H M L H | - 0.010 - 0.013 - 0.020 |
| 500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOI 355-nm AOT 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.39 (7) 0.08 (23) | 532-nm AOT 532-nm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.28 (15) -0.29 (15) -0.29 (15) -0.29 (15) -0.29 (7) -0.02 (24) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (22) 0.61 (13) 0.06 (15) -0.35 (12) 0.22 (7) 0.12 (23) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.59 (13) 0.06 (15) -0.38 (15) 0.24 (7) 0.3 (24) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.20 (16) 0.05 (12) 0.21 (7) 0.38 (24) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (15) 0.51 (7) -0.01 (25) | H M L H M L H M | - 0.010 - 0.013 - 0.000 - 0.00 | 355-mm AOI 355-mm AOT 0.21 (25) 0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.90 (9) -0.09 (23) 0.31 (8) 0.38 (8) 0.04 (22) | 532-mm AOT 532-mm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) -0.03 (26) 0.03 (26) -0.05 (23) 0.21 (11) 0.67 (8) -0.06 (23) | 355-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) 0.89 (9) -0.07 (23) 0.37 (8) 0.37 (8) 0.10 (22) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.89 (9) -0.13 (23) -0.02 (11) 0.38 (8) 0.01 (23) | 355-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (62) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) -0.64 (8) 0.35 (8) 0.39 (23) | 532-1111 Bsc 532-1111 Bsc 532-1111 Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) 0.55 (8) -0.05 (24) | H M L H M L H M | - 0.010 - 0.013 - 0.020 trigging - 0.040 gg |
| 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOI 355-nm AOI 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.39 (7) 0.38 (23) -0.10 (10) | 532-nm A01 532-nm A07 -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.28 (15) -0.29 (15) 0.90 (7) -0.02 (24) -0.02 (24) -0.09 (12) | 355-nm Ext 355-nm Ext 0.15 (31) 0.66 (53) 0.38 (19) -0.03 (40) 0.34 (22) 0.61 (13) 0.66 (15) -0.35 (12) 0.22 (7) 0.12 (23) -0.7 (10) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.08 (25) 0.06 (15) -0.38 (15) 0.24 (7) 0.03 (24) -0.14 (12) | 355-nm Bsc 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.20 (16) 0.05 (12) 0.21 (7) 0.38 (24) -0.39 (10) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (15) 0.51 (7) -0.01 (25) -0.53 (12) | H M L H M L H M L | - 0.010 0.010 | 355-m AOT 355-m AOT 0.21 (25) 0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.38 (8) 0.04 (22) -0.10 (10) | 532-mn AOT 532-mn AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) -0.05 (23) 0.21 (11) 0.67 (8) -0.06 (23) -0.06 (23) -0.06 (23) | 335-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) 0.32 (23) 0.37 (8) 0.37 (8) 0.37 (8) 0.10 (22) -0.07 (10) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.09 (26) 0.03 (23) -0.02 (11) 0.38 (8) 0.01 (23) -0.14 (12) | 335-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) -0.64 (8) 0.35 (8) 0.39 (23) -0.39 (10) | 532-1111 Bsc 532-1111 Bsc 532-1111 Bsc 0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) -0.71 (11) 0.55 (8) -0.05 (24) -0.55 (24) | H L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 00 gg |
| LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOI 355-nm AOI 0.05 (31) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.39 (7) 0.08 (23) -0.10 (10) -0.07 (10) | 532-mm A01 532-mm A07 -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.28 (15) -0.29 (15) 0.90 (7) -0.02 (24) -0.09 (12) 0.01 (15) | 355-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (42) 0.61 (13) 0.06 (15) -0.35 (12) 0.22 (7) 0.12 (23) -0.07 (10) -0.00 (10) | 532-mm Ext 532-mm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.59 (13) 0.06 (15) -0.38 (15) 0.24 (7) 0.03 (24) -0.14 (12) 0.10 (15) | 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.20 (16) 0.05 (12) 0.21 (7) 0.38 (24) -0.39 (10) 0.21 (13) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.11 (27) 0.52 (13) 0.16 (16) -0.52 (15) 0.51 (7) -0.01 (25) -0.53 (12) 0.04 (18) | H M L H M L H M L H | - 0.010 - 0.013 - 0.013 - 0.020 - 0.020 - 1 1 - 0.020 - 0.020 - 1 1 - 0.020 - 0.020 - 0.020 - 0.020 - 0.013 - 0.020 - 0.013 - 0.020 - 0.020 | 355-mm AOT 355-mm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.31 (8) 0.38 (8) 0.04 (22) -0.10 (10) 0.23 (19) | 532-mm AOT 532-mm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) 0.08 (60) -0.03 (26) 0.88 (9) -0.05 (23) -0.06 (23) -0.09 (12) -0.09 (12) -0.09 (12) -0.09 (12) -0.01 (26) | 335-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.33 (56) 0.32 (23) 0.89 (9) -0.07 (23) 0.37 (8) 0.37 (8) 0.10 (22) -0.07 (10) 0.25 (19) | 532-nm Ext 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.89 (9) -0.13 (23) -0.14 (12) -0.13 (26) | 355-m Bsc 355-m Bsc 0.00 (27) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) -0.64 (8) 0.35 (8) 0.35 (8) 0.39 (23) -0.39 (10) 0.22 (22) | 532-1111 Bsc 532-1111 Bsc 532-111 Bsc 0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) -0.55 (8) -0.55 (8) -0.55 (24) -0.55 (24) -0.55 (29) | H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.040 O - 0.040 O |
| 700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm A01 355-nm A07 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.39 (7) 0.08 (23) -0.10 (10) -0.07 (10) 0.09 (54) | 532-mm A01 532-mm A07 -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.88 (15) -0.29 (15) 0.90 (7) -0.02 (24) -0.09 (12) 0.01 (15) -0.20 (58) | 355-nm Ext 355-nm Ext 0.15 (31) 0.66 (53) 0.38 (19) -0.03 (40) 0.33 (41) 0.34 (22) 0.61 (13) 0.66 (15) -0.35 (12) 0.22 (7) 0.12 (23) -0.07 (10) -0.00 (10) 0.00 (54) | 532-nm Ext 532-nm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.08 (25) 0.59 (13) 0.66 (15) -0.38 (15) 0.24 (7) 0.03 (24) -0.14 (12) 0.10 (15) -0.22 (58) | 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.20 (16) 0.05 (12) 0.21 (7) 0.38 (24) -0.39 (10) 0.21 (13) 0.21 (59) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (15) -0.53 (12) 0.01 (25) -0.53 (12) 0.04 (18) 0.03 (63) | H M L H M L H M L H M | - 0.010 - 0.01 | 355-mm AOT 355-mm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.38 (8) 0.04 (22) -0.10 (10) 0.23 (19) -0.03 (56) | 532-mn AOT 532-mn AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.08 (60) -0.03 (26) 0.89 (9) -0.05 (23) -0.06 (23) -0.09 (12) 0.10 (26) -0.11 (58) | 335-nm Ext 355-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.33 (56) 0.32 (23) 0.89 (9) -0.07 (23) 0.37 (8) 0.10 (22) -0.07 (10) 0.25 (19) 0.22 (56) | 532-nm Ext 532-nm Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.09 (26) 0.38 (8) 0.01 (23) -0.14 (12) 0.13 (26) -0.05 (58) | 335-nm Bsc 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) -0.64 (8) 0.39 (23) -0.39 (10) 0.22 (22) 0.21 (62) | 532-1111 Bsc 532-1111 Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) -0.75 (8) -0.05 (24) -0.53 (12) 0.06 (29) 0.11 (64) | Н | - 0.010 - 0.013 - 0.020 - 0.040 00 - 0.040 00 - 0.040 00 - 0.040 00 - 0.040 00 - 0.040 00 - 0.010 |
| 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm A01 355-nm A07 0.05 (31) 0.01 (53) 0.24 (19) -0.17 (40) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.39 (7) 0.88 (23) -0.10 (10) -0.07 (10) 0.09 (54) -0.20 (39) | 532-mm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) 0.62 (13) 0.28 (15) -0.29 (15) -0.29 (15) -0.02 (24) -0.01 (15) -0.02 (58) -0.02 (58) -0.03 (59) | 335-nm Ext 355-nm Ext 0.15 (31) 0.06 (53) 0.38 (19) -0.03 (40) 0.13 (41) 0.34 (22) 0.61 (13) 0.06 (15) -0.35 (12) 0.22 (7) 0.12 (23) -0.07 (10) -0.00 (10) 0.13 (39) | 532-mm Ext 532-mm Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.06 (15) -0.38 (15) 0.24 (7) 0.03 (24) -0.13 (24) -0.13 (39) | 355-nm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.20 (16) 0.05 (12) 0.21 (7) 0.38 (24) -0.39 (10) 0.21 (13) 0.18 (59) 0.45 (40) | 532-nm Bsc 532-nm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (15) -0.51 (7) -0.51 (7) -0.51 (25) -0.53 (12) 0.04 (18) 0.3 (63) 0.44 (40) | HMLHMLHMLHML | - 0.010 - 0.01 | 355-mAO 355-mAO 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.90 (9) -0.09 (23) 0.31 (8) 0.38 (8) 0.38 (8) 0.04 (22) -0.10 (10) 0.23 (19) -0.03 (56) 0.26 (28) | 532-mm AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (26) -0.08 (60) -0.03 (26) -0.08 (9) -0.05 (23) 0.21 (11) 0.67 (8) -0.06 (23) -0.06 (23) -0.09 (12) 0.10 (26) -0.11 (58) -0.13 (28) | 335-nm Ext 0.18 (25) 0.01 (56) 0.39 (22) 0.34 (24) 0.03 (56) 0.32 (23) 0.89 (9) -0.07 (23) 0.37 (8) 0.10 (22) -0.07 (10) 0.25 (19) 0.02 (56) 0.03 (28) | 532-mm Ext 532-mm Ext 0.14 (27) -0.06 (60) 0.08 (25) -0.05 (60) 0.09 (26) 0.89 (9) -0.13 (23) -0.02 (11) 0.38 (8) 0.01 (23) -0.14 (12) 0.13 (26) -0.09 (58) -0.09 (28) | 355-nm Bsc 0.00 (27) 0.28 (62) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) -0.64 (8) 0.35 (8) 0.35 (8) 0.35 (23) -0.39 (10) 0.22 (22) 0.21 (62) 0.42 (28) | 532-1111 Bac 532-1111 Bac -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.75 (9) -0.00 (24) -0.71 (11) 0.55 (8) -0.05 (24) -0.05 (24) 0.06 (29) 0.11 (64) 0.41 (28) | н м L H M L H M L H M L H M L | |
| k 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-mm AOI 355-mm AOI 355-mm AOI 0.05 (31) 0.01 (53) 0.24 (19) 0.11 (41) 0.11 (41) 0.11 (41) 0.11 (41) 0.09 (15) 0.09 (15) 0.09 (15) 0.09 (15) 0.09 (15) 0.09 (15) 0.09 (15) 0.09 (15) 0.00 (16) 0.01 (10) 0.00 (16) 0.00 (16) 0.00 (16) | 532-mm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) -0.29 (15) -0.29 (15) -0.29 (15) -0.02 (24) -0.00 (12) -0.02 (58) -0.35 (39) -0.36 (16) | 355-nm Ext 355-nm | 532-IME EXE 532-IME EXE 532-IME EXE 532-IME EXE 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.09 (43) 0.09 (43) 0.09 (43) 0.09 (43) 0.06 (15) -0.24 (7) 0.01 (15) -0.12 (58) -0.13 (39) 0.11 (16) | 355-m Bsc 355-m Bsc 355-m Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.43 (13) 0.28 (24) 0.42 (13) 0.20 (16) 0.51 (21) 0.21 (7) 0.38 (24) 0.39 (25) 0.39 (24) 0.39 (24) 0 | 532-m Hsc 532-m Hsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.17 (27) 0.52 (13) 0.16 (16) 0.16 (16) 0.16 (16) 0.16 (16) 0.51 (7) 0.51 (7) 0.51 (7) 0.51 (7) 0.51 (2) 0.04 (18) 0.33 (63) 0.44 (40) 0.12 (16) | H M L H M L H M L H M L H | - 0.010 - 0.01 | 355-mm AOT 355-mm AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.38 (8) 0.04 (22) -0.01 (10) 0.23 (19) -0.03 (56) -0.26 (28) 0.02 (12) | 532-mi AOT 0.25 (27) -0.13 (60) -0.03 (26) -0.08 (60) -0.03 (26) -0.08 (60) -0.03 (26) -0.05 (23) 0.21 (11) 0.67 (8) -0.06 (23) -0.09 (12) -0.01 (26) -0.11 (58) -0.34 (28) -0.34 (28) -0.15 (12) | 335-mm Ext 355-mm Ext 355-mm Ext 0.18 (25) 0.01 (56) 0.34 (24) 0.33 (56) 0.33 (56) 0.32 (23) 0.39 (9) -0.07 (23) 0.37 (8) 0.37 (8) 0.37 (8) 0.37 (8) 0.37 (8) 0.00 (22) -0.07 (10) 0.25 (19) 0.02 (56) 0.03 (28) 0.01 (12) | 532-IME EXT 532-IME EXT 532-IME EXT 532-IME EXT 0.14 (27) 0.08 (60) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.03 (20) 0.03 (8) 0.01 (23) 0.01 (25) 0.01 | 335-mm BSC 355-mm BSC 355-mm BSC 355-mm BSC 356-mm SSC 356-mm | 332-tim Bsc 532-tim Bsc -0.07 (29) 0.14 (66) 0.15 (28) 0.07 (65) 0.13 (29) 0.75 (9) 0.000 (24) 0.007 (11) 0.55 (8) 0.05 (24) 0.05 (25) 0.06 (29) 0.1 (28) 0.07 (12) | н M L H M L H M L H M L H | 0.010 - 0.010 |
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| K-index 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-mm AOI 355-mm AOI 0.05 (31) 0.01 (53) 0.24 (19) 0.11 (41) 0.19 (22) 0.63 (11) 0.09 (15) -0.34 (12) 0.09 (15) -0.34 (12) 0.08 (23) -0.10 (10) -0.07 (10) 0.09 (23) -0.07 (10) 0.08 (23) -0.07 (10) 0.09 (15) -0.20 (39) 0.06 (16) -0.31 (14) | 532-mm A0T 532-mm A0T -0.05 (33) -0.07 (57) -0.04 (22) 0.02 (43) -0.04 (25) 0.62 (13) 0.62 (13) 0.28 (15) -0.29 (15) 0.90 (7) -0.02 (24) -0.09 (12) -0.01 (15) -0.29 (58) -0.35 (39) -0.06 (16) -0.31 (17) 0.57 (10) | 355-mm Ext 355-mm Ext 355-mm Ext 355-mm Ext 355-mm Ext 30-55 (31) 30-36 (31) 30-38 (19) 30-38 (19) 30-38 (19) 30-38 (10) 30-38 (10) | 532-Mm Ext 532-mm | 335-mm Bsc 355-mm Bsc 0.27 (34) 0.22 (59) 0.34 (21) 0.35 (44) 0.11 (46) 0.28 (24) 0.20 (16) 0.55 (13) 0.20 (16) 0.55 (12) 0.21 (7) 0.38 (24) -0.39 (10) 0.21 (13) 0.21 (13) 0.21 (13) 0.245 (40) 0.43 (16) -0.27 (14) 0.26 (11) | 532-m Bsc 532-m Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.20 (48) 0.11 (27) 0.20 (48) 0.11 (27) 0.52 (13) 0.53 (12) 0.53 (12) 0.04 (48) 0.53 (12) 0.04 (48) 0.04 (48) 0.04 (48) 0.04 (40) 0.27 (11) 0.27 (11) | H M L H M L H M L H M L H M L | - 0.010 - 0.010 - 0.00 | 355-mAO 355-mAO 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.38 (8) 0.34 (8) 0.34 (22) -0.10 (10) 0.23 (19) -0.03 (19) 0.32 (9) | 532-mi AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (25) -0.08 (60) -0.03 (26) -0.08 (60) -0.05 (23) 0.21 (11) 0.67 (8) -0.06 (23) -0.06 (23) -0.09 (12) 0.10 (26) -0.11 (58) -0.34 (28) -0.15 (12) -0.01 (22) -0.01 (22) -0.03 (29) | 335-mm Ext 355-mm Ext 355-mm Ext 0.18 (25) 0.018 (25) 0.03 (22) 0.34 (24) 0.33 (56) 0.32 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.01 (22) -0.07 (10) 0.22 (5) 0.03 (28) 0.01 (12) -0.00 (9) 0.29 (9) | 532-IME EXE 532-IME EXE 532-IME EXE 532-IME EXE 0.14 (27) -0.06 (60) 0.08 (25) -0.05 (60) 0.09 (26) -0.05 (60) 0.09 (26) -0.02 (11) 0.38 (8) -0.02 (11) 0.38 (8) -0.01 (23) -0.14 (12) 0.31 (26) -0.19 (28) 0.07 (12) -0.12 (22) 0.26 (9) | 335-mm BSC 355-mm BSC 355-mm BSC 0.28 (62) 0.28 (62) 0.28 (25) 0.24 (61) 0.24 (61) 0.22 (26) 0.76 (9) 0.31 (24) 0.35 (8) 0.39 (23) -0.39 (10) 0.22 (22) 0.42 (28) 0.44 (12) -0.44 (19) -0.31 (10) | 332-1111 BSC 532-1111 BSC 532-1111 BSC 532-111 BSC 0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.31 (29) 0.07 (65) 0.00 (24) -0.75 (9) -0.00 (24) -0.55 (8) -0.05 (24) -0.55 (8) -0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.05 (24) 0.07 (12) 0.00 (10) | H M L H M L H M L H M L H M L | 0.010 - 0.010 |
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| CLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _a 925 hPa T _a 1 km | 355-mm A01 355-mm A01 0.05 (31) 0.05 (31) 0.24 (19) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.09 (15) -0.34 (12) 0.09 (15) -0.34 (12) 0.09 (54) -0.20 (39) 0.06 (16) -0.31 (14) 0.54 (10) 0.24 (17) -0.07 (40) | 532-mm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.04 (22) -0.04 (25) -0.29 (15) -0.29 (15) -0.29 (15) -0.29 (15) -0.29 (15) -0.02 (24) -0.09 (12) -0.02 (24) -0.09 (12) -0.02 (58) -0.33 (19) -0.35 (19) -0.57 (10) -0.77 (29) -0.14 (44) | 355-nm Ext 355-nm Ext 0.15 (31) 0.66 (53) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.38 (19) 0.34 (22) 0.61 (13) 0.06 (15) 0.34 (22) 0.02 (7) 0.12 (23) 0.07 (10) 0.00 (10) 0.10 (54) 0.33 (14) 0.33 (14) 0.33 (14) 0.33 (12) 0.33 (12) 0.34 (12) 0.33 (12) | 532-4m Ext 532-4m Ext 532-4m Ext 0.01 (33) -0.02 (57) 0.05 (22) -0.19 (44) 0.09 (43) 0.06 (15) -0.36 (15) -0.36 (15) -0.34 (17) 0.01 (15) -0.32 (24) -0.10 (14) -0.32 (28) -0.32 (28) -0.33 (29) -0.34 (17) 0.52 (10) 0.11 (16) -0.34 (17) 0.52 (10) -0.10 (48) -0.10 (48) -0 | 335-mm BSc 355-mm BSc 355-mm BSc 355-mm BSc 0.27 (34) 0.22 (59) 0.35 (44) 0.1 (46) 0.28 (24) 0.45 (13) 0.20 (16) 0.52 (17) 0.38 (24) -0.39 (10) 0.21 (13) 0.45 (13) 0.45 (13) 0.43 (16) -0.37 (14) 0.45 (11) 0.45 (28) 0.09 (48) | 532-m Bsc 532-m Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.01 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (13) 0.16 (16) -0.52 (13) 0.16 (16) -0.52 (13) 0.16 (16) -0.53 (17) -0.01 (25) -0.53 (12) 0.04 (18) 0.03 (63) 0.44 (40) 0.12 (16) -0.12 (17) -0.12 (16) -0.12 (17) -0.12 (17) | H M L H M L H M L H M L H M | - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.011 - 0.011 - 0.011 - 0.011 - 0.011 - 0.011 - 0.011 - 0.011 - 0.011 - 0.0101 - 0.011 - 0.0101 - 0.010 - 0.000 - 0. | 355-mA AOT 355-mA AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.38 (8) 0.04 (22) -0.10 (10) 0.23 (19) 0.03 (56) -0.26 (28) 0.02 (12) 0.03 (19) 0.32 (9) 0.23 (29) 0.23 (29) 0.24 (29 | 532-mi A0T 6.25 (27) -0.13 (60) -0.03 (25) -0.08 (60) -0.08 (60) -0.03 (26) -0.08 (60) -0.03 (26) -0.08 (62) -0.08 (62) -0.08 (62) -0.05 (23) -0.06 (23) -0.06 (23) -0.06 (23) -0.06 (23) -0.09 (12) 0.10 (26) -0.11 (58) -0.34 (28) -0.15 (12) -0.38 (9) -0.7 (31) -0.7 (31) -0 | 335-mm Ext 355-mm Ext 355-mm Ext 0.18 (25) 0.11 (56) 0.39 (22) 0.39 (22) 0.37 (8) 0.37 (8) 0.47 (24) 0.07 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.10 (22) -0.07 (10) 0.25 (19) 0.25 (19) 0.25 (19) 0.26 (19) 0.26 (19) 0.29 (19) 0.29 (19) 0.31 (29) 0.30 (29) 0.31 (29) 0.30 (29) 0.31 (29) 0 | 532-4m Ext 0.14 (27) -0.06 (60) 0.08 (25) -0.05 (60) 0.09 (26) -0.05 (60) -0.09 (26) -0.09 (26) -0.09 (26) -0.09 (26) -0.09 (26) -0.03 (23) -0.01 (23) -0.13 (23) -0.19 (28) -0.09 (58) -0.19 (28) -0.09 (58) -0.19 (28) -0.01 (23) -0.09 (58) -0.09 (58) -0.09 (58) -0.01 (23) -0.01 (23) -0.09 (58) -0.01 (23) -0.01 (23) -0.01 (23) -0.01 (23) -0.02 (28) -0.01 (28 | 335-mm BSC 355-mm BSC 0.00 (27) 0.28 (62) 0.28 (25) 0.24 (51) 0.24 (61) 0.22 (26) 0.31 (24) -0.64 (8) 0.33 (8) 0.39 (23) -0.39 (10) 0.32 (28) 0.42 (28) | 3.32-IIII 552 532-IIII 552 532-IIII 552 0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.13 (29) 0.07 (65) 0.13 (29) 0.07 (13) 0.05 (8) 0.05 (8) 0.05 (24) 0.05 (24) 0.06 (29) 0.07 (12) 0.00 (02) 0.01 (10) 0.30 (32) 0.02 (60) | H M L H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.020 - inf - 0.040 - 0.040 - 0.040 - 0.040 |
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| CAPE LCLAIt K-index 850-700 LR 850-500 LR 700-500 LR T ₆ 925 hPa T ₆ 1 km | 355-mm A01 355-mm A01 0.05 (31) 0.05 (31) 0.24 (19) 0.11 (41) 0.11 (41) 0.19 (22) 0.63 (13) 0.09 (15) -0.34 (12) 0.00 (23) -0.10 (10) -0.07 (10) 0.054 (10) -0.24 (10) 0.254 (10) -0.24 (10) -0.254 (10) -0.26 (10) -0.26 (10) -0.31 (14) -0.27 (10) -0.27 (10) -0 | 532-mm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.04 (22) -0.04 (23) -0.04 (25) -0.23 (44) -0.09 (43) -0.04 (25) -0.29 (15) -0.29 (15) -0.29 (15) -0.02 (24) -0.09 (12) -0.02 (24) -0.09 (12) -0.02 (58) -0.33 (13) -0.057 (10) -0.33 (17) -0.57 (10) -0.77 (29) -0.14 (44) -0.07 (39) -0.19 (26) -0.10 (41) -0.08 (45) | 355-nm Ext 355-nm Ext 0.15 (31) 0.6 (53) 0.38 (19) 0.33 (19) 0.34 (122) 0.03 (40) 0.34 (222) 0.03 (10) 0.61 (13) 0.06 (15) 0.22 (7) 0.22 (7) 0.22 (7) 0.22 (7) 0.22 (7) 0.22 (7) 0.22 (7) 0.33 (14) 0.33 (14) 0.35 | 532-1111 Ext 532-1111 Ext 532-1111 Ext 532-1111 Ext 532-1111 Ext 0-01 (33) 0-05 (22) 0-05 (23) 0-05 (23) 0-06 (15) 0-03 (25) 0-03 (24) 0-014 (12) 0-10 (14) 0-014 (12) 0-10 (14) 0-014 (12) 0-10 (14) 0-014 (12) 0-10 (14) 0-014 (| 335-mm Bsc 355-mm Bsc 0.27 (34) 0.22 (59) 0.34 (41) 0.35 (44) 0.11 (46) 0.28 (24) 0.35 (44) 0.11 (46) 0.26 (12) 0.35 (44) 0.38 (24) 0.37 (14) 0.45 (28) 0.36 (31) 0.42 (24) 0.33 (31) 0.43 (39) | 532-m Bsc 532-m Bsc 0.23 (36) 0.77 (63) 0.77 (24) 0.02 (48) 0.17 (27) 0.02 (48) 0.17 (27) 0.052 (13) 0.16 (16) 0.052 (13) 0.01 (25) 0.03 (63) 0.04 (40) 0.03 (63) 0.04 (40) 0.02 (52) 0.27 (11) 0.33 (30) 0.02 (52) 0.22 (26) 0.20 (26) | H M L H M L H M L H M L H M L H M L | Control (10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 | 355-mA AOT 0.21 (25) 0.04 (56) 0.24 (22) 0.15 (24) 0.05 (24) 0.19 (23) 0.31 (8) 0.38 (8) 0.04 (22) 0.10 (10) 0.23 (19) 0.23 (19) 0.23 (19) 0.23 (29) 0.23 (29) 0.24 (27) 0.27 (27) | 532-mn AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (25) -0.08 (60) -0.03 (26) -0.08 (27) -0.05 (23) 0.22 (11) 0.67 (8) -0.06 (23) -0.09 (12) 0.10 (26) -0.11 (58) -0.34 (28) -0.15 (12) -0.38 (9) 0.07 (31) -0.14 (51) -0.14 (51) -0.13 (54) 0.28 (28) | 335-mm Ext 355-mm Ext 355-mm Ext 0.18 (25) 0.18 (25) 0.39 (22) 0.39 (22) 0.33 (28) 0.33 (28) 0.00 (29) 0.37 (8) 0.10 (22) 0.07 (10) 0.37 (8) 0.10 (22) 0.07 (10) 0.25 (19) 0.02 (56) 0.03 (28) 0.10 (22) 0.03 (28) 0.10 (22) 0.03 (28) 0.10 (22) 0.03 (28) 0.10 (22) 0.03 (28) 0.10 (22) 0.00 (19) 0.25 (19) 0.00 (19) 0.25 (19) 0.00 (29) 0.31 (29) 0.04 (46) 0.09 (28) 0.12 (27) 0.04 (47) 0.18 (27) 0.04 (47) 0.18 (27) 0.04 (47) 0.18 (27) 0.04 (47) 0.18 (27) 0.04 (47) 0.04 (47) 0.18 (27) 0.04 (47) 0.05 (47) | 3.3.4 mL xxt 5.32-nm Ext 5.32-nm Ext 0.04 (27) 0.06 (60) 0.08 (25) 0.03 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.03 (20) 0.01 (23) 0.01 (23) 0.04 (30) 0.04 (30) 0.04 (35) 0.01 (25) 0.01 (25) 0.02 | 335-mm BSC 355-mm BSC 355-mm BSC 0.00 (27) 0.28 (62) 0.28 (25) 0.24 (61) 0.24 (61) 0.24 (61) 0.22 (26) 0.31 (24) 0.35 (8) 0.35 (8) 0.39 (23) 0.39 (10) 0.22 (28) 0.40 (12) 0.42 (28) 0.40 (12) 0.44 (28) 0.40 (12) 0.42 (28) 0.44 (12) 0.42 (28) 0.44 (12) 0.44 (12) | 3.34 millios 532-millios -0.07 (29) 0.14 (66) 0.15 (28) 0.29 (29) 0.7 (65) 0.13 (29) 0.7 (65) 0.13 (29) 0.7 (61) 0.00 (24) -0.75 (18) 0.05 (24) 0.05 (24) 0.05 (24) 0.04 (28) 0.07 (12) 0.00 (22) -0.01 (10) 0.30 (32) 0.02 (23) 0.02 (13) 0.21 (31) 0.21 (30) 0.11 (62) 0.02 (16) | H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 - 0.040 - 0.040 - 0.040 |
| w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-mm AOI 355-mm AOI 0.05 (31) 0.01 (33) 0.24 (19) 0.11 (41) 0.11 (41) 0.19 (22) 0.03 (11) 0.03 (12) 0.03 (12) 0.04 (12) 0.06 (13) 0.08 (23) 0.08 (23) 0.08 (23) 0.08 (23) 0.08 (23) 0.08 (23) 0.09 (54) 0.09 (54) 0.03 (16) 0.024 (27) 0.03 (16) 0.03 (36) 0.03 (37) 0.03 (37) 0.01 (42) 0.03 (37) 0.01 (42) 0.01 (42) | 532-mm A0T 532-mm A0T -0.05 (33) -0.07 (57) -0.04 (22) 0.02 (43) -0.04 (25) 0.92 (43) -0.02 (43) -0.28 (15) -0.29 (15) -0.29 (15) -0.02 (24) -0.09 (12) -0.01 (15) -0.02 (58) -0.05 (16) -0.05 (16) -0.05 (16) -0.07 (29) -0.11 (44) -0.07 (39) -0.19 (26) -0.19 (26) -0.19 (26) -0.19 (26) -0.19 (27) -0.23 (27) | 355-mm Ext 355-mm Ext 355-mm Ext 355-mm Ext 0.05 (31) 0.05 (31) 0.03 (40) 0.13 (41) 0.34 (12) 0.06 (15) -0.35 (12) 0.22 (23) -0.07 (10) 0.10 (54) 0.13 (39) 0.14 (16) -0.33 (12) 0.33 | 3.3.4 mL xxt 3.3.2 mL xxt 3.3.2 mL xxt 3.3.2 mL xxt 3.4.2 mL xxt 3.5.2 mL xxt 3. | 335-mm Bsc 355-mm Bsc 0.27 (34) 0.22 (59) 0.34 (41) 0.22 (59) 0.34 (42) 0.35 (44) 0.11 (46) 0.28 (24) 0.45 (13) 0.45 (13) 0.20 (16) 0.51 (12) 0.21 (12) 0.21 (12) 0.21 (13) 0.45 (40) 0.44 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (40) 0.45 (42) 0.46 (43) 0.47 (42) 0.33 (25) 0.42 (51) 0.33 (25) | 532-m Hsc 532-m Hsc 0.23 (36) 0.07 (63) 0.07 (63) 0.07 (48) 0.01 (48) 0.01 (48) 0.02 (48) 0.02 (48) 0.05 (13) 0.52 (15) 0.53 (12) 0.04 (40) 0.02 (16) 0.04 (40) 0.21 (16) 0.03 (30) 0.04 (40) 0.22 (16) 0.03 (30) 0.02 (29) 0.22 (43) 0.26 (63) 0.20 (43) 0.20 (63) 0.20 (63) 0.20 (43) 0.20 (63) 0.20 (43) 0.20 (63) 0.20 (43) 0.20 (63) 0.20 (43) 0.20 (43) | H M L H M L H M L H M L H M L H M L H M L H | - 0.010 - 17 - 0010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.040 - 0.020018 - 0.020018 - 0.0200 - 0.040 - 0.020018 - 0.020018 - 0.0200 - 0.013 - 0.020 | 355-mA AOI 355-mA AOI 0.21 (25) 0.04 (56) 0.24 (22) 0.15 (24) 0.05 (24) 0.03 (23) 0.09 (23) 0.31 (8) 0.34 (8) 0.34 (8) 0.34 (8) 0.34 (8) 0.34 (8) 0.34 (22) -0.10 (10) 0.23 (19) 0.23 (19) 0.32 (9) 0.32 (2) 0.32 (9) 0.32 (12) 0.32 (| 532-mn AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.03 (25) -0.08 (60) -0.03 (26) -0.08 (26) -0.08 (23) -0.05 (23) -0.06 (23) -0.06 (23) -0.09 (12) 0.10 (26) -0.11 (58) -0.34 (28) -0.15 (12) -0.01 (22) -0.01 (22) -0.38 (9) 0.07 (31) -0.16 (30) -0.08 (30) -0.13 (54) 0.28 (27) -0.23 (27) | 335-mm Ext 355-mm Ext 355-mm Ext 355-mm Ext 0.18 (25) 0.18 (25) 0.018 (22) 0.018 (22) 0.33 (23) 0.34 (24) 0.33 (56) 0.32 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.07 (23) 0.07 (2 | 532-mm Ext 532-mm Ext 532-mm Ext 532-mm Ext 0.14 (27) -0.06 (60) 0.08 (25) -0.05 (60) 0.09 (26) -0.03 (23) -0.02 (11) 0.38 (8) -0.02 (11) 0.38 (8) -0.02 (11) 0.38 (8) -0.01 (23) -0.14 (12) 0.31 (26) -0.04 (30) -0.03 (30) -0.04 (30) -0.04 (30) -0.04 (32) -0.04 (32) -0.0 | 335-mm BSC 355-mm BSC 355-mm BSC 0.28 (62) 0.28 (62) 0.28 (25) 0.24 (61) 0.24 (61) 0.22 (26) 0.31 (24) 0.31 (24) 0.31 (24) 0.33 (8) 0.39 (23) 0.39 (23) 0.42 (28) 0.42 (28) 0.43 (28) 0.43 (28) 0.43 (28) 0.42 (28) 0.43 (28) | 3.34 millionis -0.07 (29) 0.14 (66) 0.29 (29) 0.07 (65) 0.33 (29) 0.07 (65) 0.33 (29) 0.07 (65) 0.35 (9) -0.00 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (22) -0.01 (10) 0.30 (32) -0.02 (60) 0.21 (31) 0.21 (31) 0.21 (31) 0.21 (31) | 日外上日外上日外上日外上日外上日本 | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 |
| 0-hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-mn A01 355-mn A01 355-mn A01 0.05 (31) 0.04 (19) 0.24 (19) 0.11 (41) 0.19 (22) 0.04 (12) 0.09 (15) -0.34 (12) -0.34 (12) | 532-mm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.23 (44) 0.09 (43) -0.04 (25) -0.29 (15) -0.29 (15) -0.29 (15) -0.29 (15) -0.29 (15) -0.02 (24) -0.09 (12) -0.02 (24) -0.09 (12) -0.02 (58) -0.33 (39) -0.35 (39) -0.35 (39) -0.36 (15) -0.31 (17) 0.67 (10) -0.77 (29) -0.14 (44) -0.07 (39) -0.19 (26) -0.10 (41) 0.08 (45) -0.23 (27) -0.08 (51) | 355-mm Ext 355-mm Ext 355-mm Ext 355-mm Ext 0.05 (31) 0.05 (31) 0.03 (40) 0.33 (41) 0.04 (12) 0.06 (13) 0.06 (15) 0.05 (12) 0.02 (7) 0.12 (23) 0.00 (10) 0.01 (54) 0.03 (27) 0.01 (54) 0.33 (14) 0.33 (14) 0.37 (14) 0.35 (14 | 532-411 Ext 532-411 Ext 532-411 Ext 0.01 (33) -0.02 (57) 0.05 (22) 0.05 (22) 0.06 (25) 0.08 (25) 0.06 (15) -0.38 (15) 0.02 (15) -0.38 (15) 0.02 (15) -0.38 (15) -0.38 (15) -0.38 (15) -0.38 (15) -0.38 (15) -0.34 (17) 0.52 (10) 0.11 (16) -0.34 (17) 0.52 (10) 0.13 (29) -0.10 (42) -0.10 (42) -0. | 335-mm BSc 355-mm BSc 355-mm BSc 355-mm BSc 355-mm BSc 355-mm BSc 355-mm BSc 342(21) 0.34 (21) 0.34 (21) 0.34 (21) 0.34 (21) 0.45 (13) 0.20 (16) 0.52 (12) 0.38 (24) -0.39 (10) 0.32 (17) 0.38 (24) -0.39 (10) 0.42 (14) 0.43 (16) -0.27 (14) 0.26 (28) 0.44 (264) 0.26 (38) 0.44 (24) 0.43 (36) 0.26 (38) 0.44 (24) 0.43 (39) 0.26 (51) 0.30 (25) 0.30 (25) | 532-m BSC 532-m BSC 532-m BSC 0.07 (63) 0.17 (24) 0.01 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (15) 0.53 (17) -0.01 (25) -0.53 (17) -0.01 (25) -0.12 (16) -0.04 (18) 0.04 (18) 0.04 (18) -0.04 (18) -0.02 (52) 0.12 (14) -0.26 (26) -0.26 (| H M L H M L H M L H M L H M L H M L H M L H M | - 0.010 - 0.01 | 355-mA AOT 355-mA AOT 0.21 (25) 0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.04 (22) -0.09 (23) 0.31 (8) 0.04 (22) -0.10 (10) 0.23 (19) 0.23 (19) 0.23 (29) -0.08 (46) -0.03 (28) 0.04 (27) -0.04 (27) -0.04 (27) -0.04 (27) -0.21 (23) 0.22 (54) | 532-mn AOT 0.25 (27) -0.13 (60) -0.03 (25) -0.08 (60) -0.03 (26) -0.08 (60) -0.03 (26) -0.03 (26) -0.05 (23) -0.04 (23) -0.06 (23) -0.09 (12) -0.06 (23) -0.09 (12) -0.01 (25) -0.34 (28) -0.34 (28) -0.34 (28) -0.36 (9) -0.14 (51) -0.10 (30) -0.08 (30) -0.23 (27) -0.23 (27) -0.10 (57) -0.10 (57) | 335-mm Ext 0.18 (25) 0.01 (25) 0.39 (22) 0.39 (22) 0.34 (24) 0.33 (23) 0.37 (23) 0.37 (28) 0.07 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.00 (23) 0.07 (23) 0.01 (22) 0.02 (56) 0.03 (28) 0.02 (56) 0.03 (28) 0.01 (12) -0.00 (19) 0.22 (9) 0.33 (29) 0.33 (29) 0.34 (20) 0.34 (20) 0.34 (20) 0.34 (20) 0.35 (20) 0 | 532-411 Ext 0.14 (27) -0.06 (60) 0.08 (25) 0.13 (26) -0.05 (60) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) -0.13 (23) -0.02 (11) -0.33 (60) 0.01 (23) -0.14 (12) 0.01 (28) -0.13 (26) -0.09 (58) -0.19 (28) -0.13 (26) -0.13 (26) -0.13 (26) -0.13 (27) -0.14 (57) -0.26 (9) -0.13 (21) -0.13 (21) -0.14 (21) -0. | 333-mm BSC 355-mm BSC 0.00 (27) 0.28 (25) 0.28 (25) 0.34 (27) 0.24 (61) 0.22 (26) 0.31 (24) 0.33 (24) 0.32 (24) 0.32 (22) 0.22 (22) 0.22 (22) 0.22 (22) 0.24 (25) 0.34 (25) 0.34 (25) 0.36 (25) 0.37 (25) 0.37 (25) 0.36 (25) 0.36 (25) 0.37 (25) 0.37 (25) 0.36 (25) 0.37 (25) | 3.3.4 million 5.3.2 million 5.3.2 million 0.4.1 (66) 0.15 (28) 0.29 (29) 0.07 (65) 0.07 (65) 0.07 (75) 0.07 (11) 0.05 (8) 0.05 (8) 0.05 (8) 0.05 (24) 0.05 (24) 0.05 (22) 0.01 (164) 0.04 (22) 0.00 (21) 0.02 (22) -0.01 (10) 0.30 (32) 0.02 (60) 0.21 (30) 0.11 (62) 0.11 (62) 0.10 (29) | 日外上日外上日外上日外上日外上日外上日本 | - 0.010 - 0.013 - 0.020 - 0.020 - 0.040 country famous - 0.020 - 0.020 - 0.013 - 0.011 |
| 700-hPa w CAPE LCL Alt K-index 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-mm A01 355-mm A01 355-mm A01 0.05 (31) 0.04 (19) 0.17 (40) 0.11 (41) 0.19 (22) 0.36 (13) 0.09 (15) -0.34 (12) 0.36 (13) -0.31 (14) 0.254 (10) 0.254 (10) -0.31 (14) 0.254 (10) -0.33 (14) -0.07 (40) -0.03 (37) 0.11 (42) -0.21 (23) 0.13 (32) -0.13 (32) -0.13 (32) -0.13 (32) -0.13 (32) -0.13 (32) -0.15 (32) -0.13 (32) -0.1 | 532-mm AOT -0.05 (33) -0.07 (57) -0.04 (22) -0.04 (22) -0.04 (25) -0.23 (44) 0.09 (43) -0.04 (25) -0.29 (15) -0.29 (15) -0.29 (15) -0.02 (24) -0.09 (12) -0.01 (15) -0.02 (24) -0.09 (12) -0.03 (13) -0.06 (16) -0.31 (17) 0.57 (10) 0.07 (29) -0.14 (44) -0.07 (39) -0.19 (26) -0.19 (26) -0.19 (26) -0.23 (27) 0.08 (51) -0.24 (24) -0.04 (24) | 355-nm Ext 355-nm Ext 0.15 (31) 0.6 (53) 0.38 (19) 0.38 (19) 0.03 (40) 0.34 (122) 0.03 (40) 0.34 (122) 0.04 (13) 0.06 (15) 0.34 (122) 0.02 (17) 0.02 (17) 0.02 (17) 0.03 (14) 0.33 (14) 0.32 (17) 0.33 (14) 0.33 (1 | 532-1111 Ext 532-1111 Ext 532-1111 Ext 532-1111 Ext 0-01 (33) 0-02 (57) 0-05 (22) -0-19 (44) 0-06 (15) -0.38 (15) 0-06 (15) -0.38 (15) 0-04 (7) 0-24 (7) 0-25 (10) 0-11 (16) 0-03 (29) 0-11 (16) 0-03 (29) 0-10 (14) 0-03 (29) 0-10 (14) 0-03 (29) 0-0.10 (44) -0.08 (39) -0.10 (42) -0.10 (42 | 335-mm Bsc 355-mm Bsc 355-mm Bsc 355-mm Bsc 355-mm Bsc 326, 228 331 0.22 0.32 0.33 0.33 0.31 0.33 0.34 0.34 0.35 0.44 0.45 0.45 0.42 0.38 0.21 0.38 0.21 0.38 0.21 0.38 0.21 0.38 0.21 0.38 0.21 0.38 0.21 0.31 0.31 0.32 0.32 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.34 0.35 | 532-mm Bsc 532-mm Bsc 0.23 (36) 0.07 (63) 0.17 (24) 0.02 (48) 0.17 (27) 0.52 (13) 0.16 (16) -0.52 (13) 0.16 (16) -0.52 (13) 0.16 (16) -0.52 (13) 0.16 (16) -0.52 (13) 0.16 (16) -0.53 (17) 0.53 (17) 0.03 (63) 0.44 (40) 0.12 (16) 0.27 (11) 0.33 (30) 0.24 (40) 0.12 (16) 0.27 (11) 0.33 (30) 0.26 (25) 0.27 (11) 0.33 (30) 0.26 (25) 0.27 (11) 0.32 (25) 0.27 (11) 0.33 (30) 0.26 (25) 0.27 (11) 0.32 (25) 0.27 (11) 0.33 (30) 0.26 (25) 0.27 (11) 0.32 (25) 0.27 (15) 0.27 | H M L H M L H M L H M L H M L H M L H M L H M L | 100,000 0,000 0,000 100,000 0,000 0,000 0,000 100,000 100,000 0,000 0,000 0,000 100,000 100,000 100,000 < | 355-mA AOT 0.21 (25) -0.04 (56) 0.24 (22) 0.15 (24) -0.00 (56) 0.19 (23) 0.31 (8) 0.38 (8) 0.04 (22) -0.10 (10) 0.23 (19) 0.23 (19) 0.23 (19) 0.23 (29) 0.23 (29) 0.20 (27) 0.20 (27) 0.20 (27) 0.20 (27) 0.20 (27) 0.20 (27) 0.20 (27) 0.20 (27) 0.20 (28) 0.20 (27) 0.20 (27) 0.20 (28) 0.20 (27) 0.20 (28) 0.20 (27) 0.20 (28) 0.20 (28) | 532-mn AOT 6.25 (27) -0.13 (60) -0.03 (25) -0.08 (60) -0.03 (26) -0.08 (60) -0.03 (26) -0.08 (27) -0.05 (23) 0.21 (11) 0.67 (8) -0.06 (23) -0.09 (12) 0.10 (26) -0.01 (51) -0.03 (26) -0.34 (28) -0.34 (28) -0.34 (28) -0.36 (30) -0.03 (54) -0.23 (27) 0.10 (57) -0.07 (28) -0.07 (28) | 335-mm Ext 355-mm Ext 355-mm Ext 0.18 (25) 0.18 (25) 0.39 (22) 0.39 (22) 0.37 (8) 0.32 (23) 0.37 (8) 0.37 (8) 0.07 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.07 (23) 0.37 (8) 0.01 (22) 0.07 (10) 0.25 (19) 0.25 (19) 0.26 (9) 0.26 (9) 0.29 (9) 0.31 (22) 0.00 (19) 0.29 (9) 0.31 (22) 0.00 (19) 0.29 (9) 0.31 (22) 0.00 (19) 0.29 (9) 0.31 (22) 0.00 (19) 0.29 (9) 0.31 (22) 0.00 (19) 0.30 (22) 0.00 (19) 0.30 (22) 0.31 (22) 0.32 (22) 0.31 (22) 0.32 (22) 0.31 (22) 0.32 (22) 0.32 (22) 0.31 (22) 0.32 (22) 0.31 (22) 0.32 (22) 0.32 (22) 0.32 (22) 0.32 (22) 0.32 (22) 0.32 (22) 0.31 (22) 0.32 (22) | 532-1111 Ext 532-1111 Ext 532-1111 Ext 0.04 (27) 0.06 (60) 0.08 (25) 0.03 (26) 0.03 (26) 0.04 (23) 0.01 (23) 0.04 (12) 0.03 (26) 0.01 (23) 0.04 (28) 0.07 (12) 0.04 (30) 0.04 (28) 0.04 (27) 0.14 (57) 0.14 (57) 0. | 335-mm BSC 355-mm BSC 355-mm BSC 0.00 (27) 0.28 (62) 0.28 (25) 0.24 (61) 0.24 (61) 0.22 (26) 0.31 (24) 0.34 (27) 0.31 (24) 0.35 (8) 0.39 (23) 0.35 (8) 0.39 (23) 0.33 (10) 0.22 (22) 0.40 (12) 0.40 (12) 0.40 (12) 0.40 (12) 0.40 (12) 0.42 (28) 0.40 (12) 0.42 (28) 0.40 (12) 0.42 (28) 0.40 (12) 0.42 (28) 0.43 (27) 0.43 (25) 0.22 (58) 0.41 (25) 0.22 (58) 0.41 (25) 0.41 (25) | 3.34 millios 532-millios -0.07 (29) 0.14 (66) 0.29 (29) 0.7 (65) 0.3 (29) 0.7 (65) 0.3 (29) 0.7 (65) 0.3 (29) 0.7 (61) 0.00 (24) -0.75 (8) -0.05 (24) -0.5 (12) 0.06 (29) -0.01 (10) 0.30 (22) -0.01 (10) 0.30 (22) -0.02 (60) 0.21 (31) 0.11 (62) 0.11 (62) 0.01 (31) 0.10 (29) 0.16 (61) 0.09 (31) | H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 0 unterpresent - 0 |

Figure S3: As in Fig. S1 but using AMPR 19.35-GHz PCT as the convective parameter.

| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
|--|---|---|---|---|--|---|---|---|--|--|---|--|--|--|---|---|
| F | 0.08 (30) | 0.09 (32) | 0.10 (30) | 0.02 (32) | 0.12 (33) | 0.10 (35) | н | | 0.06 (33) | 0.08 (35) | 0.05 (33) | -0.01 (35) | 0.12 (36) | 0.09 (38) | н | |
| 1 kr | 0.03 (61) | -0.02 (65) | 0.08 (61) | 0.01 (65) | 0.19 (69) | 0.07 (73) | м | 0.010 | 0.13 (41) | 0.03 (43) | 0.17 (41) | 0.08 (43) | 0.34 (45) | 0.15 (47) | м | - 0.010 |
| F. | 0.36 (11) | 0.13 (14) | 0.20 (11) | -0.00 (14) | 0.13 (11) | -0.10 (14) | L | P P | -0.02 (28) | -0.05 (33) | 0.02 (28) | -0.07 (33) | 0.02 (32) | -0.07 (37) | L | |
| Pa | -0.01 (45) | -0.05 (49) | 0.06 (45) | -0.07 (49) | 0.21 (49) | 0.11 (53) | н | ed. | 0.05 (34) | 0.03 (37) | 0.06 (34) | -0.05 (37) | 0.17 (37) | 0.05 (40) | н | |
| 925 1 | -0.01 (39) | -0.05 (41) | 0.03 (39) | -0.02 (41) | 0.12 (45) | 0.01 (47) | м | - 0.013 | 0.03 (35) | -0.04 (38) | 0.10 (35) | 0.03 (38) | 0.25 (40) | 0.12 (43) | м | - 0.013 |
| μ | 0.38 (18) | 0.33 (21) | 0.29 (18) | 0.14 (21) | 0.07 (19) | -0.02 (22) | L | ja ja | 0.06 (33) | 0.02 (36) | 0.08 (33) | 0.00 (36) | 0.06 (36) | 0.01 (39) | L. | |
| Ч | 0.34 (11) | 0.35 (11) | 0.31 (11) | 0.30 (11) | 0.23 (11) | 0.26 (11) | н | 9 | 0.34 (13) | 0.35 (13) | 0.32 (13) | 0.31 (13) | 0.21 (13) | 0.25 (13) | н | |
| -500 | -0.06 (18) | 0.14 (18) | -0.06 (18) | -0.06 (18) | 0.08 (19) | 0.03 (19) | м | - 0.020 | -0.06 (15) | 0.13 (15) | -0.08 (15) | -0.08 (15) | 0.09 (16) | 0.04 (16) | м | - 0.020 |
| 700 | -0.03 (10) | -0.00 (13) | 0.02 (10) | -0.26 (13) | 0.31 (10) | -0.45 (13) | L | ent 700 | -0.01 (11) | -0.02 (14) | 0.12 (11) | -0.13 (14) | 0.34 (11) | -0.35 (14) | L | ent |
| Ч | 0.39 (5) | 0.98 (5) | 0.65 (5) | 0.53 (5) | 0.62 (5) | 0.67 (5) | н | ffici | 0.11 (12) | 0.33 (12) | 0.10 (12) | 0.11 (12) | 0.25 (12) | 0.32 (12) | н | ffici |
| 500 | 0.08 (27) | 0.04 (28) | 0.13 (27) | 0.07 (28) | 0.37 (28) | 0.05 (29) | м | - 0.040 0 8 | 0.10 (14) | -0.12 (15) | 0.19 (14) | -0.02 (15) | 0.82 (14) | -0.07 (15) | м | - 0.040 S |
| 850- | 0.13 (7) | -0.02 (9) | 0.21 (7) | -0.12 (9) | 0.09 (7) | 0.13 (9) | L | tion 850- | -0.17 (13) | -0.11 (15) | -0.18 (13) | -0.27 (15) | -0.17 (14) | -0.42 (16) | L | tion |
| E, | 0.06 (5) | 0.39 (8) | 0.02 (5) | 0.17 (8) | 0.11 (7) | 0.07 (10) | н | LR LB | 0.17 (29) | 0.06 (36) | 0.18 (29) | 0.09 (36) | 0.14 (32) | 0.01 (39) | н | rela |
| 700 | 0.05 (53) | -0.01 (59) | 0.05 (53) | -0.04 (59) | 0.07 (59) | -0.05 (65) | м | - inf 0 | -0.03 (36) | -0.03 (38) | -0.05 (36) | -0.11 (38) | -0.04 (42) | -0.12 (44) | м | - inf Ö |
| 850- | 0.01 (44) | -0.05 (44) | 0.18 (44) | 0.04 (44) | 0.21 (45) | 0.21 (45) | L | rsor 850- | -0.04 (37) | -0.09 (37) | 0.15 (37) | -0.02 (37) | 0.24 (37) | 0.25 (37) | L | Isor |
| × | 0.01 (17) | 0.01 (18) | 0.04 (17) | 0.00 (18) | 0.28 (17) | 0.03 (18) | н | Pea | 0.03 (14) | -0.03 (14) | 0.07 (14) | 0.03 (14) | 0.31 (14) | 0.07 (14) | н | Pea |
| Inde | 0.02 (13) | -0.12 (15) | 0.07 (13) | -0.09 (15) | 0.22 (13) | -0.09 (15) | м | - 0.040 5 | -0.11 (13) | 0.01 (16) | -0.10 (13) | -0.14 (16) | 0.29 (13) | -0.00 (16) | м | - 0.040 2 |
| ×- | 0.06 (9) | 0.10 (9) | 0.02 (9) | -0.04 (9) | -0.18 (10) | -0.16 (10) | L | k lue | 0.17 (12) | 0.17 (12) | 0.18 (12) | 0.16 (12) | 0.09 (13) | -0.00 (13) | L | lue 1 |
| | 0.28 (19) | 0.21 (21) | 0.27 (19) | 0.17 (21) | 0.44 (20) | 0.20 (22) | н | P-va | 0.07 (39) | -0.03 (41) | 0.13 (39) | 0.04 (41) | 0.30 (40) | 0.19 (42) | н | P-va |
| CLAI | -0.04 (48) | -0.12 (52) | 0.05 (48) | -0.04 (52) | 0.14 (56) | 0.08 (60) | м | - 0.020 | 0.10 (27) | 0.02 (31) | 0.11 (27) | 0.02 (31) | -0.18 (35) | -0.18 (39) | м | - 0.020 |
| 2 | 0.14 (35) | 0.15 (38) | 0.13 (35) | 0.02 (38) | 0.12 (37) | 0.03 (40) | L | 3 | 0.13 (36) | 0.14 (39) | 0.12 (36) | 0.02 (39) | 0.12 (38) | 0.03 (41) | L. | |
| | 0.16 (16) | 0.29 (18) | 0.12 (16) | 0.08 (18) | 0.20 (16) | 0.18 (18) | н | | -0.13 (36) | -0.17 (40) | -0.07 (36) | -0.16 (40) | 0.22 (37) | 0.05 (41) | н | |
| CAPE | -0.00 (40) | -0.08 (44) | 0.06 (40) | -0.03 (44) | 0.27 (41) | 0.13 (45) | м | - 0.013 | 0.24 (35) | 0.21 (37) | 0.26 (35) | 0.24 (37) | 0.15 (38) | 0.17 (40) | м | - 0.013 |
| - | 0.15 (46) | 0.17 (49) | 0.11 (46) | 0.04 (49) | -0.00 (56) | -0.15 (59) | L | | 0.23 (31) | 0.26 (34) | 0.20 (31) | 0.11 (34) | 0.14 (38) | -0.07 (41) | L | |
| N | -0.34 (15) | -0.27 (16) | -0.31 (15) | -0.33 (16) | -0.02 (16) | -0.09 (17) | н | | -0.21 (31) | -0.19 (35) | -0.15 (31) | -0.20 (35) | 0.14 (34) | -0.01 (38) | н | |
| -hPa | 0.21 (58) | 0.11 (64) | 0.23 (58) | 0.14 (64) | 0.23 (62) | 0.12 (68) | м | - 0.010 | 0.30 (35) | 0.17 (38) | 0.32 (35) | 0.20 (38) | 0.30 (36) | 0.24 (39) | м | - 0.010 |
| 700 | 0.13 (29) | 0.10 (31) | 0.16 (29) | 0.04 (31) | 0.01 (33) | -0.04 (35) | L | | 0.13 (36) | 0.11 (38) | 0.16 (36) | 0.06 (38) | -0.02 (41) | -0.05 (43) | L | |
| 1 | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 4 | • | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 1 | • |
| | | | | | | | | | | | | | | | | |
| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
| F | 355-nm AOT 0.07 (31) | 532-nm AOT 0.09 (33) | 355-nm Ext 0.08 (31) | 532-nm Ext 0.00 (33) | 355-nm Bsc 0.11 (34) | 532-nm Bsc 0.09 (36) |]н | | 355-nm AOT 0.20 (25) | 532-nm AOT 0.36 (27) | 355-nm Ext 0.13 (25) | 532-nm Ext 0.10 (27) | 355-nm Bsc 0.01 (27) | 532-nm Bsc -0.05 (29) |]н | A |
| 1 km | 355-nm AOT 0.07 (31) 0.03 (52) | 532-nm AOT 0.09 (33) -0.05 (56) | 355-nm Ext 0.08 (31) 0.08 (52) | 532-nm Ext 0.00 (33) -0.00 (56) | 355-nm Bsc 0.11 (34) 0.21 (58) | 532-nm Bsc 0.09 (36) 0.04 (62) | н м | 0.010 | 355-nm AOT 0.20 (25) -0.03 (55) | 532-nm AOT 0.36 (27) -0.09 (59) | 355-nm Ext 0.13 (25) 0.01 (55) | 532-nm Ext 0.10 (27) -0.06 (59) | 355-nm Bsc 0.01 (27) 0.21 (61) | 532-nm Bsc -0.05 (29) 0.06 (65) |]н м | - 0.010 |
| T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) | H M L | - 0.010 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) | H M L | - 0.010 |
| n Pa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) | H M L | - 0.010 E | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) | H M L H | 0.010 |
| 925 hPa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) | H M L H M | - 0.010 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) | H M L H | 0.010 |
| T _d 925 hPa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) 0.19 (22) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) 0.03 (27) | H M L H L | - 0.013 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.09 (26) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) | H M L H M L | - 0.010 |
|) LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) 0.19 (22) 0.34 (13) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.35 (13) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) 0.32 (13) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) 0.31 (13) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) 0.03 (27) 0.25 (13) | H H H H L H | 0.010 H 12 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.98 (9) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) 0.95 (9) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.09 (26) 0.95 (9) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.86 (9) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) 0.90 (9) | H L H M L | 0.010 |
| -500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) 0.19 (22) 0.34 (13) -0.06 (15) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.35 (13) 0.13 (15) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) 0.32 (13) -0.08 (15) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) 0.31 (13) -0.08 (15) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) 0.03 (27) 0.25 (13) 0.04 (16) | H M L H M L H M | 0.010 49 12 14 14 14 14 14 14 14 14 14 14 14 14 14 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) -0.08 (22) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.98 (9) -0.00 (22) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) 0.95 (9) -0.07 (22) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.09 (26) 0.95 (9) -0.11 (22) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.86 (9) 0.24 (23) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) 0.90 (9) -0.02 (23) | H L H M L H | - 0.010 - 0.013 - 0.020 |
| 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) 0.19 (22) 0.34 (13) -0.06 (15) -0.01 (11) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.35 (13) 0.13 (15) -0.02 (14) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) 0.32 (13) -0.08 (15) 0.12 (11) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) 0.31 (13) -0.08 (15) -0.13 (14) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) 0.03 (27) 0.25 (13) 0.04 (16) -0.35 (14) | H H H H H H L | - 0.010 - 0.013 - 0.020 - 0.02 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) -0.08 (22) 0.08 (8) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.98 (9) -0.00 (22) 0.07 (11) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) 0.95 (9) -0.07 (22) 0.10 (8) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.09 (26) 0.95 (9) -0.11 (22) -0.20 (11) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.86 (9) 0.24 (23) -0.49 (8) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) 0.90 (9) -0.02 (23) -0.55 (11) | H L H L H L | - 0.010 - 0.013 - 0.020 |
| LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) 0.19 (22) 0.34 (13) -0.06 (15) -0.06 (15) -0.01 (11) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.35 (13) 0.13 (15) -0.02 (14) 0.91 (7) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) 0.32 (13) -0.08 (15) 0.12 (11) 0.20 (7) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.05 (43) 0.09 (25) 0.31 (13) -0.08 (15) -0.13 (14) 0.24 (7) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.19 (7) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) 0.03 (27) 0.25 (13) 0.04 (16) -0.35 (14) 0.51 (7) | H M L H M L H | - 0.010 - 1.1 mm - 0.013 - 2032 - 0.12 - 0.013 - 1.02 - 0. | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) -0.08 (22) 0.08 (8) 0.21 (8) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.98 (9) -0.00 (22) 0.07 (11) 0.55 (8) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) 0.95 (9) -0.07 (22) 0.10 (8) 0.21 (8) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.09 (26) 0.95 (9) -0.11 (22) -0.20 (11) 0.22 (8) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.86 (9) 0.24 (23) -0.49 (8) 0.25 (8) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) 0.90 (9) -0.02 (23) -0.05 (11) 0.43 (8) | H M L H M L H M L H | - 0.010 - 0.013 - 0.020 |
| -500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) 0.34 (13) -0.06 (15) -0.01 (11) 0.36 (7) 0.11 (22) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.35 (13) 0.13 (15) -0.02 (14) 0.91 (7) 0.04 (23) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) 0.32 (13) -0.08 (15) 0.12 (11) 0.20 (7) 0.14 (22) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.09 (25) 0.31 (13) -0.08 (15) -0.13 (14) 0.24 (7) 0.06 (23) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.19 (7) 0.39 (23) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) 0.03 (27) 0.25 (13) 0.04 (16) -0.35 (14) 0.51 (7) 0.01 (24) | H M L H M L H M | 010.0 - 0.000 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) -0.08 (22) 0.08 (8) 0.21 (8) 0.08 (21) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.98 (9) -0.00 (22) 0.07 (11) 0.55 (8) 0.00 (22) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) 0.95 (9) -0.07 (22) 0.10 (8) 0.21 (8) 0.12 (21) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.09 (26) 0.95 (9) -0.11 (22) -0.20 (11) 0.22 (8) 0.04 (22) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.86 (9) 0.84 (23) -0.49 (8) 0.25 (8) 0.38 (22) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) 0.00 (29) 0.00 (2) 0.02 (23) -0.05 (11) 0.43 (8) -0.02 (23) | H L H M L H M L H M | - 0.010 - 0.013 - 0.020 |
| 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 0.07 (31) 0.03 (52) 0.23 (19) -0.02 (39) 0.08 (41) 0.19 (22) 0.34 (13) -0.06 (15) -0.01 (11) 0.36 (7) 0.11 (22) -0.22 (10) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.35 (13) 0.13 (15) -0.02 (14) 0.91 (7) 0.04 (23) -0.17 (12) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) 0.32 (13) -0.08 (15) 0.12 (11) 0.20 (7) 0.14 (22) -0.21 (10) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) -0.31 (13) -0.08 (15) -0.13 (14) 0.24 (7) 0.66 (23) -0.31 (12) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.19 (7) 0.39 (23) -0.12 (10) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.10 (47) 0.01 (48) 0.03 (27) 0.25 (13) 0.04 (16) -0.35 (14) 0.51 (7) 0.01 (24) -0.32 (12) | H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.02 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) -0.08 (8) 0.21 (8) 0.08 (21) -0.22 (10) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.98 (9) -0.00 (22) 0.07 (11) 0.55 (8) 0.00 (22) -0.17 (12) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) 0.95 (9) -0.07 (22) 0.10 (8) 0.21 (8) 0.21 (8) 0.22 (21) -0.21 (10) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.02 (26) 0.09 (26) 0.09 (26) 0.92 (6) 0.92 (20) -0.20 (11) 0.22 (8) 0.04 (22) -0.31 (12) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.24 (23) -0.49 (8) 0.25 (8) 0.38 (22) -0.12 (10) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) 0.90 (9) -0.02 (23) -0.55 (11) 0.43 (8) -0.02 (23) -0.32 (12) | H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 - 0.040 |
| LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT 0.07 (31) 0.33 (52) 0.23 (19) 0.08 (41) 0.19 (22) 0.34 (13) -0.06 (15) -0.01 (11) 0.36 (7) 0.11 (22) -0.22 (10) -0.24 (10) | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.35 (13) 0.13 (15) -0.02 (14) 0.91 (7) 0.04 (23) -0.17 (12) -0.05 (15) | 355-nm Ext 0.08 (31) 0.26 (19) 0.26 (19) 0.03 (39) 0.10 (41) 0.25 (22) 0.32 (13) -0.08 (15) 0.12 (11) 0.20 (7) 0.14 (22) -0.21 (10) -0.29 (10) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) -0.13 (14) -0.24 (7) 0.06 (23) -0.31 (12) 0.02 (15) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.33 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.19 (7) 0.39 (23) -0.12 (10) 0.22 (13) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.01 (48) 0.03 (27) 0.25 (13) 0.04 (16) -0.35 (14) 0.51 (7) 0.01 (24) -0.32 (12) -0.38 (18) | H M L H M L H M L H | Total 010.0 Total 010.0 Total 010.0 Total 010.0 Total 010.0 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) -0.08 (22) 0.08 (21) 0.21 (8) 0.08 (21) 0.22 (10) 0.15 (19) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.09 (26) 0.99 (26) 0.98 (9) -0.00 (22) 0.07 (11) 0.55 (8) 0.00 (22) -0.17 (12) 0.04 (26) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (23) 0.95 (9) -0.07 (22) 0.10 (8) 0.21 (8) 0.22 (10) 0.17 (19) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.09 (26) 0.09 (26) 0.99 (26) 0.95 (9) -0.11 (22) -0.20 (11) 0.22 (8) 0.04 (22) -0.31 (12) 0.07 (26) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.86 (9) 0.24 (23) -0.49 (8) 0.25 (8) 0.38 (22) -0.12 (10) 0.14 (22) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.03 (64) 0.00 (29) 0.90 (9) -0.02 (23) -0.05 (11) 0.43 (8) -0.02 (23) -0.32 (12) 0.01 (29) | H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.040 00 gg |
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| Kindex 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT 0.07 (31) 0.03 (52) 0.23 (19) 0.02 (19) 0.08 (41) 0.08 (41) 0.08 (41) 0.08 (41) 0.08 (17) 0.04 (13) 0.06 (15) 0.01 (12) 0.11 (22) 0.11 (22) 0.11 (21) 0.01 (39) 0.02 (16) 0.03 (| 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.05 (43) 0.03 (15) -0.02 (14) 0.04 (23) -0.07 (12) -0.05 (15) 0.05 (57) -0.05 (15) 0.05 (57) -0.05 (15) 0.05 (57) -0.04 (16) -0.27 (16) 0.20 (10) | 355-nm Ext 0.06 (31) 0.08 (52) 0.26 (19) 0.03 (39) 0.010 (41) 0.25 (22) 0.32 (13) 0.02 (13) 0.02 (17) 0.12 (11) 0.20 (7) 0.14 (22) 0.21 (10) 0.09 | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) -0.13 (13) -0.08 (15) -0.13 (14) 0.24 (7) 0.24 (7) 0.06 (23) -0.31 (12) 0.02 (57) 0.02 (57) 0.04 (39) 0.05 (16) -0.32 (16) -0.32 (16) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.13 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.99 (16) 0.34 (11) 0.19 (7) 0.39 (23) -0.12 (10) 0.12 (13) 0.10 (58) 0.22 (40) 0.34 (16) 0.35 (13) 0.03 (11) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.01 (47) 0.01 (48) 0.03 (27) 0.02 (13) 0.04 (16) -0.35 (17) 0.01 (24) -0.03 (12) -0.03 (18) -0.02 (62) 0.02 (63) 0.02 (64) -0.02 (61) -0.02 (61) -0.18 (16) -0.08 (16) -0.08 (16) -0.08 (16) -0.08 (16) -0.08 (16) -0.08 (16) | нмснмснмснмс | Image: Second | 355-nm AOT 0.20 (25) 0.3 (55) 0.3 (55) 0.3 (24) 0.18 (24) 0.08 (24) 0.09 (9) 0.09 (9) 0.09 (9) 0.08 (8) 0.21 (8) 0.08 (21) 0.08 (21) 0.02 (10) 0.12 (118) 0.12 (118) 0.06 (9) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.09 (26) 0.07 (21) 0.07 (21) 0.04 (28) -0.015 (12) 0.10 (21) 0.10 (21) 0.10 (21) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (24) 0.03 (25) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.23 (21) 0.21 (21) 0.21 (10) 0.17 (19) 0.02 (55) 0.15 (28) 0.02 (12) 0.09 (18) 0.02 (19) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.09 (25) 0.09 (26) -0.05 (59) 0.09 (26) -0.11 (22) -0.21 (01) 0.22 (8) -0.22 (8) -0.22 (8) -0.31 (12) 0.07 (26) -0.06 (57) 0.05 (28) -0.06 (21) -0.04 (9) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (8) 0.24 (23) 0.24 (8) 0.25 (8) 0.25 (8) 0.25 (8) 0.25 (8) 0.38 (22) 0.12 (10) 0.14 (22) 0.09 (61) 0.18 (28) 0.30 (12) 0.15 (18) 0.0.18 (10) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.03 (64) 0.03 (64) 0.03 (64) 0.04 (28) -0.02 (23) -0.02 (23) -0.02 (23) -0.02 (23) -0.02 (23) -0.02 (23) -0.02 (23) 0.01 (29) 0.01 (29) 0.02 (29) 0.01 (29) 0.02 (29) 0.01 (29) 0.01 (29) 0.02 (29) 0.01 (29) 0.02 (29) 0.01 (29) 0.02 (29) 0.01 (29) 0. | H M L H M L H M L H M L | 0.000 - 0.000 |
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| CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT 0.07(31) 0.03(52) 0.23(19) 0.02(31) 0.08(41) 0.08(41) 0.08(41) 0.03(17) 0.04(10) 0.01(19) 0.01(19) 0.01(19) 0.01(19) 0.01(19) 0.01(30) 0. | 532-nm AOT 0.09 (33) -0.05 (56) 0.01 (22) -0.04 (43) 0.09 (25) 0.35 (13) 0.33 (13) 0.33 (13) -0.02 (14) 0.04 (16) -0.05 (15) 0.04 (16) -0.04 (16) -0.04 (16) -0.04 (16) -0.13 (29) -0.13 (29) -0.05 (25) -0.05 (25) -0 | 355-nm Ext 0.06 (31) 0.26 (19) 0.26 (19) 0.26 (19) 0.26 (19) 0.27 (19) 0.27 (21) 0.27 (21) 0.27 (21) 0.20 (7) 0.21 (11) 0.20 (7) 0.21 (12) 0.20 (7) 0.21 (12) 0.21 (12) 0.20 (13) 0.21 (12) 0.21 (12) 0.21 (12) 0.21 (12) 0.22 (12) 0.23 (12) 0.25 (12) 0. | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) 0.31 (13) -0.08 (15) -0.03 (12) 0.24 (7) 0.06 (23) -0.31 (12) 0.02 (15) -0.02 (57) 0.04 (39) 0.05 (16) -0.32 (17) -0.32 (16) -0.32 | 355-nm Bsc 0.11 (34) 0.21 (58) 0.33 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.19 (7) 0.39 (23) -0.12 (10) 0.12 (13) 0.10 (58) 0.22 (40) 0.35 (13) 0.35 (13) 0.36 (28) 0.31 (12) 0.36 (28) 0.31 (21) 0.36 (28) 0.36 (28) 0.37 (28) 0.36 (28) 0.36 (28) 0.36 (28) 0.36 (28) 0.37 (28) 0.36 (28) | 532-nm Bsc 0.09 (36) 0.04 (24) 0.010 (47) 0.010 (47) 0.025 (13) 0.04 (24) 0.035 (27) 0.051 (7) 0.01 (24) -0.03 (14) -0.02 (62) 0.23 (40) 0.08 (16) -0.08 (16) - | H M L H M L H M L H M L H M L H M | Control 1, 100-00 Control 1, 100-00 Control 1, 100-00 Control 1, 100-00 Control 1, 100-00118, 100-00118, 100-00118, 100-00118, 100-001 Control 1, 100-00118, 100-00118, 100-001 Control 1, 100-00 C | 355-nm AOT 0.20 (25) 0.30 (35) 0.23 (22) 0.18 (24) 0.019 (23) 0.019 (23) 0.019 (23) 0.019 (23) 0.018 (21) 0.02 (10) 0.012 (18) 0.02 (10) 0.12 (18) 0.04 (28) 0.04 (28) 0.06 (9) 0.27 (29) 0.012 (18) 0.06 (9) 0.27 (29) 0.012 (18) 0.012 (18 | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (27) -0.00 (22) -0.17 (12) 0.04 (26) -0.03 (57) 0.04 (28) -0.15 (12) 0.10 (21) 0.10 (21) 0.10 (21) -0.19 (30) -0.13 (30) -0.13 (30) -0.13 (30) -0.13 (30) -0.13 (30) -0.15 | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.24 (24) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.21 (8) 0.10 (8) 0.21 (8) 0.21 (8) 0.21 (8) 0.21 (8) 0.21 (8) 0.21 (8) 0.21 (8) 0.21 (21) 0.21 (21) 0.21 (21) 0.22 (25) 0.15 (28) 0.02 (12) 0.09 (18) 0.02 (25) 0.02 (22) 0.09 (18) 0.02 (29) 0.03 (29) 0.03 (29) 0.03 (29) 0.03 (29) 0.03 (28) 0.00 | 532-nm Ext 0.10 (27) -0.6 (59) 0.09 (25) 0.12 (26) 0.09 (25) 0.20 (11) 0.22 (8) 0.20 (11) 0.22 (8) 0.31 (12) -0.31 (12) -0.06 (57) 0.06 (57) 0.06 (57) 0.00 (12) -0.04 (21) -0.04 (21) -0.04 (21) -0.20 (30) -0.23 (30) -0.23 (30) -0.05 (29) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.09 (25) 0.65 (26) 0.65 (26) 0.65 (26) 0.62 (23) 0.25 (8) 0.25 (8) (8) (8) (8) (8) (8) (8) (8) (8) (8) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.03 (29) 0.04 (28) 0.03 (29) 0.04 (28) 0.05 (21) 0.04 (28) 0.05 (21) 0.04 (28) 0.05 (21) 0.04 (28) 0.01 (29) 0.01 (29) 0.01 (63) 0.02 (28) 0.01 (12) -0.07 (21) -0.16 (10) 0.22 (22) -0.09 (59) 0.11 (21) 0.12 (29) 0.01 (22) | H M L H M L H M L H M L H M L H M L H M | 0.010 0.013 0.020 0 |
| CAPE LCLAIT Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT 0.07 (31) 0.03 (52) 2.03 (52) 0.04 (51) 0.02 (31) 0.04 (13) 0.04 (13) 0.04 (13) 0.04 (15) 0.04 (15) 0.04 (15) 0.04 (15) 0.04 (15) 0.04 (15) 0.04 (15) 0.02 (16) 0.02 (16) 0.02 (16) 0.03 (37) 0.03 (37) 0.03 (37) 0.05 (15) 0.05 (15) 0.03 (37) 0.05 (15) 0.05 (15) 0.05 (15) 0.05 (15) 0.05 (15) 0.05 (15) 0.05 (15) 0.05 (| 532-nm AOT 0.09 (33) -0.05 (56) 0.010 (22) -0.04 (43) 0.09 (25) 0.09 (25) 0.09 (25) 0.09 (25) 0.09 (25) 0.09 (25) 0.02 (14) 0.04 (16) 0.02 (17) 0.04 (16) 0.02 (10) 0.03 (13) 0.014 (39) -0.05 (15) 0.05 (15) 0.02 (10) 0.013 (43) 0.014 (39) -0.05 (15) 0.014 (39) -0.05 (15) 0.014 (39) -0.05 (15) 0.014 (39) -0.05 (15) 0.014 (39) -0.05 (15) 0.014 (39) -0.05 (15) -0.05 (15 | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.26 (19) 0.25 (22) 0.32 (13) 0.25 (22) 0.32 (13) 0.20 (17) 0.42 (12) 0.20 (17) 0.42 (12) 0.21 (10) 0.08 (53) 0.91 (10) 0.08 (53) 0.91 (10) 0.08 (15) 0.17 (10) 0.22 (12) 0.22 (12) | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) -0.31 (13) -0.08 (15) -0.13 (14) 0.02 (15) -0.23 (10) 0.02 (15) -0.02 (57) 0.04 (19) 0.05 (16) 0.15 (10) 0.15 (10) 0.15 (10) 0.15 (10) 0.15 (10) 0.02 (39) -0.00 (41) 0.00 (415) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.31 (21) 0.20 (43) 0.15 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.34 (11) 0.39 (7) 0.39 (23) -0.12 (10) 0.31 (21) 0.10 (58) 0.22 (40) 0.35 (13) 0.35 (13) 0.35 (13) 0.36 (28) 0.31 (11) 0.36 (28) 0.21 (38) 0.22 (38) 0.22 (38) 0.29 (39) 0.24 (51) | 532-nm Bsc 0.09 (36) 0.04 (24) 0.010 (47) 0.01 (47) 0.01 (47) 0.02 (71) 0.02 (71) 0.03 (27) 0.03 (27) 0.01 (24) -0.35 (17) 0.01 (24) -0.32 (12) 0.03 (18) -0.03 (18) -0.03 (18) -0.03 (18) -0.00 (11) 0.02 (02) 0.03 (41) 0.04 (15) 0.04 (15) 0.05 (17) 0.05 (17) 0.0 | H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.011 - 0.01 | 355-nm AOT 0.20 (25) 0.33 (55) 0.33 (55) 0.33 (53) 0.32 (22) 0.18 (24) 0.08 (23) 0.09 (23) 0.08 (22) 0.08 (23) 0.08 (21) 0.08 (21) 0.08 (21) 0.08 (21) 0.08 (22) 0.08 (22) 0.08 (21) 0.08 (21) 0.08 (21) 0.06 (9) 0.21 (29) 0.09 (42) 0.08 (28) 0.00 (26) 0.00 (26) 0.01 (27) 0.01 (26) 0.01 (27) 0.01 (27) 0.02 (29) 0.02 (29) 0.01 (27) 0.02 (29) 0.02 (29) 0.01 (26) 0.01 (26) 0.01 (26) 0.01 (26) 0.01 (26) 0.01 (26) 0.01 (26) 0.01 (26) 0.01 (27) 0.02 (29) 0.02 (29) 0.01 (26) 0.01 (26) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.09 (26) 0.07 (11) 0.75 (8) 0.00 (22) -0.17 (12) 0.04 (26) -0.03 (57) 0.04 (28) -0.15 (12) 0.10 (21) 0.10 (9) 0.14 (31) -0.09 (50) 0.07 (30) -0.06 (54) 0.045 (28) | 355-nm Ext 0.13 (25) 0.01 (25) 0.28 (22) 0.28 (22) 0.24 (24) 0.22 (25) 0.24 (24) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (24) 0.24 (24) 0.24 (24) 0.21 (8) 0.21 (8) 0.22 (55) 0.15 (28) 0.22 (55) 0.15 (28) 0.22 (29) 0.22 (29) 0.26 (26) 0.16 (26) 0.06 (45) 0.16 (26) 0.04 (49) 0.25 (27) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) 0.09 (25) 0.12 (26) 0.09 (25) 0.012 (20) 0.012 (20) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.01 (22) 0.02 (8) 0.04 (22) -0.06 (57) 0.05 (26) -0.04 (21) -0.04 (9) 0.02 (30) -0.02 (54) -0.02 (54) -0.02 (54) -0.02 (54) 0.03 (82) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.05 (26) 0.65 (26) 0.65 (26) 0.24 (23) -0.42 (23) -0.24 (23) -0.24 (23) -0.24 (23) -0.24 (23) -0.25 (8) 0.38 (22) -0.12 (10) 0.38 (22) -0.14 (22) 0.38 (22) -0.14 (21) 0.38 (22) -0.14 (21) 0.38 (23) -0.14 (21) 0.36 (23) 0.36 (21) 0.36 (23) 0.36 (21) 0.37 (25) 0.33 (30) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.03 (29) 0.03 (64) 0.00 (29) -0.02 (23) -0.55 (11) -0.43 (6) -0.02 (23) -0.35 (12) -0.32 (12) 0.01 (63) 0.20 (28) 0.01 (12) -0.07 (21) -0.16 (10) 0.22 (22) 0.0.08 (59) 0.01 (31) -0.29 0.01 (31) -0.29 0.01 (31) -0.20 (32) -0.31 (31) -0.20 (32) -0.31 (31) -0.20 (31) -0.2 | H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 |
| a w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _a 925 hPa T _a 1 km | 355-mAOT 0.07 (31) 0.03 (52) 0.23 (19) 0.02 (19) 0.06 (13) 0.06 (13) 0.06 (15) 0.06 (15) 0.06 (15) 0.06 (15) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (13) 0.02 (10) 0.03 (13) 0.03 (13) (13) (13) (13) (13) (13) (13) (13 | 532-m AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.05 (43) 0.05 (43) 0.03 (15) -0.02 (14) 0.04 (23) -0.04 (23) -0.05 (15) 0.05 (57) -0.05 (15) 0.02 (10) -0.13 (29) -0.13 (29) -0.13 (29) -0.14 (39) -0.14 (39) -0.18 (45) -0.21 (27) | 355-nm Ext 0.08 (31) 0.08 (52) 0.26 (19) 0.33 (39) 0.010 (41) 0.25 (22) 0.32 (13) -0.08 (15) 0.12 (11) 0.20 (7) 0.14 (21) 0.20 (7) 0.14 (21) -0.21 (10) 0.09 (16) -0.29 (13) 0.08 (16) -0.29 (13) 0.08 (16) -0.29 (13) 0.08 (16) -0.29 (13) 0.08 (16) -0.29 (13) 0.08 (16) -0.29 (13) 0.03 (27) -0.04 (23) 0.04 (23) 0.04 (23) -0.12 (25) -0.12 (25) -0.1 | 532-nm Ext 0.00 (33) 0.00 (56) 0.06 (22) 0.08 (43) 0.09 (25) 0.31 (13) 0.09 (25) 0.31 (13) 0.04 (15) 0.02 (15) 0.02 (15) 0.02 (15) 0.02 (15) 0.02 (15) 0.03 (16) 0.05 (16) 0.02 (32) 0.00 (43) 0.02 (32) 0.00 (41) 0.04 (45) 0.02 (32) 0.04 (45) 0.02 (32) 0.04 (45) 0.04 (45) 0.02 (32) 0.04 (45) 0.04 (45) 0.04 (45) 0.04 (45) 0.02 (32) 0.04 (45) 0.04 (45) 0.04 (45) 0.04 (45) 0.04 (45) 0.05 (45) | 355-nm Bsc 0.11 (34) 0.21 (58) 0.33 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.39 (7) 0.39 (23) -0.12 (10) 0.22 (40) 0.34 (16) 0.35 (13) 0.03 (11) 0.36 (28) 0.01 (47) 0.12 (39) 0.04 (51) 0.12 (39) 0.94 (51) 0.12 (39) 0.94 (51) 0.12 (39) 0.94 (51) 0.15 (55) | 532-nm Bsc 0.09 (36) 0.04 (62) 0.04 (24) 0.04 (7) 0.01 (47) 0.02 (13) 0.03 (27) 0.25 (13) 0.03 (27) 0.03 (21) 0.03 (14) 0.03 (14) 0.03 (14) 0.03 (16) 0.03 (16) 0.03 (16) 0.03 (16) 0.03 (16) 0.03 (11) 0.02 (30) 0.03 (11) 0.03 (12) | H M L H M L H M L H M L H M L H M L H M L H | - 0.010 - 0.00 | 355-nm AOT 0.20 (25) -0.03 (55) 0.23 (22) 0.18 (24) -0.00 (55) 0.19 (23) 0.97 (9) -0.08 (22) 0.08 (8) 0.02 (10) 0.21 (8) 0.08 (21) -0.22 (10) 0.15 (19) 0.01 (55) 0.04 (28) -0.04 (12) 0.04 (12) 0.06 (9) 0.27 (29) -0.08 (45) 0.01 (26) -0.01 (26) -0 | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (27) 0.07 (11) 0.07 (11) 0.07 (10) 0.01 (27) 0.04 (26) -0.03 (57) 0.04 (26) -0.03 (57) 0.04 (26) -0.15 (12) 0.04 (26) -0.03 (57) 0.04 (26) -0.03 (57) 0.04 (26) -0.03 (57) 0.04 (26) -0.03 (27) -0.06 (54) 0.05 (54) -0.03 (27) -0.05 (27) -0.05 (27) -0.05 (27) -0.06 (54) -0.21 (27) -0.21 (27) | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.24 (24) 0.24 (25) 0.24 (24) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (24) 0.24 (24) 0.24 (24) 0.24 (21) 0.21 (10) 0.21 (10) 0.21 (10) 0.21 (21) 0.25 (25) 0.26 (25) 0.27 (25) | 532-nm Ext 0.10 (27) -0.06 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.09 (26) -0.01 (22) -0.02 (11) 0.22 (8) 0.04 (22) -0.01 (12) -0.04 (9) -0.04 (9) -0.04 (9) -0.04 (21) -0.04 (21) -0.0 | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.36 (9) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.25 (8) 0.28 (9) 0.28 (9) 0.28 (9) 0.28 (9) 0.28 (9) 0.38 (22) 0.12 (10) 0.14 (22) 0.09 (61) 0.14 (22) 0.09 (61) 0.18 (20) 0.18 (20) 0.38 (30) 0.36 (30) 0.25 (54) 0.27 (57) 0.33 (30) 0.15 (25) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.03 (64) 0.00 (29) 0.00 (29) 0.00 (29) 0.01 (28) 0.02 (23) 0.03 (10) 0.03 (21) 0.04 (28) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) 0.01 (21) | H M L H M L H M L H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.020 - imf - 0.020 - 0.020 - 0.020 - 0.03 |
| 0-hPa w CAPE LCL Alt K-index 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT 0.07(3) 0.03 (52) 0.23 (19) 0.02 (39) 0.08 (41) 0.08 (41) 0.08 (41) 0.08 (41) 0.08 (41) 0.08 (41) 0.03 (17) 0.01 (19) 0.01 (19 | 532-nm AOT 0.09 (33) -0.05 (56) 0.10 (22) -0.04 (43) 0.05 (43) 0.05 (43) 0.35 (13) -0.32 (13) -0.02 (14) -0.02 (14) -0.02 (14) -0.05 (15) -0.05 (15) -0.05 (15) -0.05 (15) -0.05 (15) -0.01 (43) -0.13 (29) -0.13 (43) -0.13 (29) -0.05 (41) -0.05 (15) -0.05 (15) | 355-nm Ext 0.06 (52) 0.26 (19) 0.33 (39) 0.10 (41) 0.25 (22) 0.32 (13) 0.20 (7) 0.12 (11) 0.20 (7) 0.14 (22) 0.21 (10) 0.09 (10) 0.00 (10) 0 | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (24) 0.09 (25) 0.31 (13) -0.08 (15) -0.031 (12) 0.02 (15) -0.02 (15) -0.02 (57) 0.04 (39) -0.05 (16) -0.32 (16) -0.32 (16) -0.32 (16) -0.10 (43) 0.02 (93) -0.09 (25) -0.00 (41) 0.44 (55) -0.28 (57) -0.28 (57) -0.28 (57) -0.00 (41) -0.12 (41) -0.44 (55) -0.28 (57) -0.28 (57) -0.28 (57) -0.28 (57) -0.28 (57) -0.29 (57) -0.29 (57) -0.29 (57) -0.20 (43) -0.20 (57) -0.20 (43) -0.20 (43) -0.20 (43) -0.20 (43) -0.20 (41) -0.20 (57) -0.20 (43) -0.20 (41) -0.20 (57) -0.20 (43) -0.20 (41) -0.20 (57) -0.20 (41) -0.20 (57) -0.20 (41) -0.20 (57) -0.20 (41) -0.20 (57) -0.20 (41) -0.20 (57) -0.20 (57) -0 | 355-nm Bsc 0.11 (34) 0.21 (58) 0.31 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.19 (7) 0.39 (23) 0.12 (13) 0.12 (15) 0.12 (15) | 532-nm Bsc 0.09 (36) 0.04 (24) 0.04 (24) 0.010 (47) 0.03 (27) 0.25 (13) 0.03 (27) 0.25 (13) 0.04 (24) 0.010 (47) 0.03 (27) 0.25 (13) 0.04 (24) 0.05 (17) 0.01 (40) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.03 (12) 0.04 (51) 0.03 (12) 0.01 (29) 0.18 (53) | H M L H M L H M L H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.01 - 0.013 - 0.020 - 0.013 - 0.020 - 0.013 - 0.020 - 0.013 - 0.013 - 0.013 - 0.013 | 355-nm AOT 0.20 (25) 0.30 (55) 0.23 (22) 0.18 (24) 0.019 (23) 0.97 (9) 0.019 (23) 0.02 (10) 0.018 (21) 0.02 (10) 0.01 (25) 0.04 (21) 0.02 (10) 0.15 (19) 0.01 (25) 0.04 (28) 0.04 (28) 0.04 (28) 0.06 (9) 0.02 (23) 0.02 (23) 0.28 (33) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (27) -0.00 (22) -0.01 (12) 0.04 (26) -0.03 (57) 0.04 (28) -0.03 (29) -0.03 (29) -0.03 (28) -0.03 (28) -0. | 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.24 (24) 0.24 (23) 0.24 (23) 0.24 (23) 0.21 (8) 0.10 (8) 0.21 (8) 0.21 (8) 0.21 (21) 0.21 (8) 0.21 (21) 0.21 (22) 0.21 (21) 0.21 (21) 0.22 (22) 0.21 (22) 0.22 (22) 0.22 (22) 0.23 (22) 0.23 (22) 0.23 (22) 0.25 | 532-nm Ext 0.10 (27) -0.6 (59) 0.09 (25) 0.12 (26) 0.09 (25) 0.09 (25) 0.09 (26) 0.09 (25) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.09 (26) 0.01 (12) 0.02 (11) 0.02 (20) 0.04 (21) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.00 (12) 0.01 (12) 0.02 (31) 0.12 (50) 0.02 (31) 0.02 (31) 0.02 (31) 0.02 (31) 0.02 (54) 0.21 (56) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.06 (26) 0.62 (26) 0.62 (23) 0.25 (8) 0.25 (8) 0.30 (25) 0.30 (26) 0.30 (26) 0.30 (26) 0.30 (26) 0.30 (26) 0.30 (25) 0.33 (30) 0.35 (57) | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.03 (29) 0.04 (28) 0.05 (20) 0.05 (20) 0.01 (28) 0.01 (28) 0.03 (29) 0.04 (28) 0.05 (11) 0.43 (8) -0.02 (23) -0.03 (12) 0.01 (29) 0.01 (29) 0.01 (20) 0.00 (28) 0.01 (12) -0.07 (21) -0.16 (10) 0.22 (32) -0.03 (12) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (23) 0.01 (24) 0.01 (25) 0.01 (26) 0.01 (62) 0.01 (62) 0.01 (62) 0.01 (62) | H M L H M L H M L H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.013 - 0.010 |
| 700-hPa w CAPE LCL Alt Kindex 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT 0.07 (31) 0.03 (52) 0.23 (19) 0.08 (41) 0.90 (41) 0.90 (41) 0.90 (41) 0.90 (| 532-nm AOT 0.09 (33) -0.05 (56) 0.01 (22) -0.04 (43) 0.05 (43) 0.09 (25) 0.03 (13) 0.13 (15) -0.02 (14) 0.04 (16) -0.07 (12) -0.05 (15) 0.02 (57) -0.07 (12) -0.05 (15) 0.04 (16) -0.27 (16) 0.04 (16) -0.27 (16) 0.04 (16) -0.13 (29) -0.13 (29) -0.13 (29) -0.13 (29) -0.18 (45) -0.21 (27) 0.18 (45) -0.21 (27) 0.18 (45) -0.21 (27) 0.18 (45) -0.21 (27) 0.18 (45) -0.21 (27) -0.21 (27 | 355-nm Ext 0.06 (31) 0.26 (19) 0.26 (19) 0.26 (19) 0.26 (19) 0.26 (19) 0.27 (21) 0.27 (21) 0.27 (21) 0.27 (21) 0.20 (7) 0.24 (12) 0.20 (7) 0.24 (21) 0.20 (7) 0.24 (21) 0.20 (7) 0.24 (21) 0.20 (7) 0.24 (21) 0.20 (21) 0.27 | 532-nm Ext 0.00 (33) -0.00 (56) 0.06 (22) -0.08 (43) 0.05 (43) 0.09 (25) 0.31 (13) -0.08 (15) -0.01 (14) 0.24 (7) 0.06 (23) -0.31 (12) -0.31 (12) -0.31 (12) -0.31 (12) -0.31 (12) -0.31 (13) -0.31 (13) -0 | 355-nm Bsc 0.11 (34) 0.21 (58) 0.33 (21) 0.20 (43) 0.15 (46) 0.10 (24) 0.21 (13) 0.09 (16) 0.34 (11) 0.39 (17) 0.39 (23) -0.12 (10) 0.10 (58) 0.22 (40) 0.34 (16) 0.35 (13) 0.35 (13) 0.34 (16) 0.35 (13) 0.34 (16) 0.35 (13) 0.34 (16) 0.35 (13) 0.34 (16) 0.35 (13) 0.36 (28) 0.01 (47) 0.12 (38) 0.29 (38) 0.29 (38) 0.29 (38) 0.21 (52) 0.21 (52) 0.21 (55) 0.21 (55) | 532-nm Bsc 0.09 (36) 0.04 (24) 0.10 (47) 0.03 (27) 0.25 (13) 0.04 (24) 0.010 (47) 0.03 (27) 0.25 (13) 0.04 (24) 0.05 (27) 0.25 (13) 0.41 (24) -0.32 (12) -0.32 (12) -0.33 (40) 0.08 (16) -0.18 (16) -0.04 (51) 0.04 (31) 0.72 (30) -0.43 (14) 0.72 (30) -0.44 (51) 0.99 (43) -0.13 (54) -0.01 (29) 0.03 (83) | н м ь н м ь н м ь н м ь н м ь н м ь н м ь н м ь | - 0.010 - 0.01 | 355-nm AOT 0.20 (25) 0.23 (23) 0.33 (5) 0.23 (22) 0.18 (24) 0.09 (25) 0.09 (27) 0.08 (22) 0.08 (21) 0.02 (21) 0.02 (21) 0.02 (21) 0.01 (55) 0.04 (28) 0.04 (28) 0.06 (9) 0.12 (18) 0.06 (9) 0.27 (29) 0.04 (28) 0.06 (28) 0.02 (28) 0.01 (26) 0.28 (33) 0.12 (26) | 532-nm AOT 0.36 (27) -0.09 (59) 0.10 (25) 0.13 (26) -0.06 (59) 0.09 (26) 0.09 (26) 0.09 (26) 0.07 (11) 0.55 (8) 0.00 (22) -0.17 (12) 0.04 (26) -0.03 (57) 0.04 (28) -0.15 (12) 0.10 (21) 0.10 (21) 0.10 (21) 0.10 (21) 0.00 (50) 0.07 (30) -0.08 (50) 0.07 (30) -0.08 (50) 0.07 (30) -0.08 (50) 0.07 (30) -0.08 (50) 0.04 (28) -0.08 (50) 0.07 (30) -0.08 (50) 0.04 (28) -0.08 (50) 0.07 (30) -0.08 (50) 0.04 (28) -0.08 (50) 0.07 (11) 0.05 (8) 0.04 (28) -0.08 (50) 0.04 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (27) -0.08 (28) -0.08 (| 355-nm Ext 0.13 (25) 0.01 (55) 0.28 (22) 0.24 (24) 0.02 (55) 0.24 (24) 0.24 (25) 0.24 (24) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (24) 0.24 (24) 0.24 (21) 0.21 (10) 0.21 (10) 0.21 (10) 0.21 (21) 0.21 (10) 0.22 (55) 0.15 (28) 0.02 (12) 0.09 (18) 0.02 (15) 0.00 (12) 0.00 | 532-nm Ext 0.10 (27) -0.66 (59) 0.09 (25) 0.12 (26) -0.05 (59) 0.99 (26) 0.912 (26) -0.01 (12) -0.02 (11) 0.02 (26) 0.04 (22) -0.31 (12) 0.07 (26) -0.06 (57) 0.05 (28) -0.04 (21) -0.04 (21) -0.04 (21) -0.04 (21) -0.02 (30) -0.12 (50) -0.02 (30) -0.03 (23) -0.12 (50) -0.02 (34) -0.18 (28) -0.23 (77) -0.23 (26) -0.23 (26) -0.23 (26) | 355-nm Bsc 0.01 (27) 0.21 (61) 0.09 (25) 0.16 (27) 0.21 (60) 0.09 (26) 0.24 (23) 0.06 (26) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.24 (23) 0.25 (8) 0.38 (22) 0.25 (8) 0.38 (22) 0.12 (10) 0.38 (22) 0.12 (10) 0.36 (23) 0.36 (12) 0.36 (12) 0.37 (12) 0.37 (12) 0.37 (12) 0.37 (12) 0.37 (12) 0.37 (1 | 532-nm Bsc -0.05 (29) 0.06 (65) 0.01 (28) 0.13 (29) 0.33 (64) 0.00 (29) -0.90 (9) -0.02 (23) -0.55 (11) 0.04 (8) -0.02 (23) -0.32 (12) 0.01 (63) 0.01 (29) 0.01 (63) 0.02 (28) 0.00 (12) -0.07 (21) -0.16 (10) 0.22 (23) -0.04 (59) 0.10 (31) 0.12 (29) 0.01 (29) 0.01 (29) 0.15 (31) -0.01 (29) 0.15 (43) | H M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 - 0.013 - 0.013 |

Figure S4: As in Fig. S1 but using AMPR 37.1-GHz PCT as the convective parameter.

| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 30 | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 30 | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| E | -0.04 (30) | 0.06 (32) | -0.10 (30) | -0.07 (32) | -0.08 (33) | -0.12 (35) | н | <u>د</u> | -0.22 (34) | -0.08 (36) | -0.24 (34) | -0.23 (36) | -0.12 (37) | -0.17 (39) | н | |
| d 1 k | -0.14 (62) | -0.09 (66) | -0.13 (62) | -0.14 (66) | -0.09 (70) | -0.16 (74) | м | 0.010 | -0.05 (41) | -0.03 (43) | -0.05 (41) | -0.06 (43) | 0.08 (45) | -0.02 (47) | м | - 0.010 |
| F | 0.40 (11) | 0.20 (14) | 0.41 (11) | 0.22 (14) | 0.31 (11) | 0.17 (14) | L | | -0.06 (28) | -0.05 (33) | -0.03 (28) | -0.09 (33) | -0.14 (32) | -0.18 (37) | L | |
| hPa | -0.20 (46) | -0.07 (50) | -0.22 (46) | -0.21 (50) | -0.06 (50) | -0.12 (54) | н | ed a | -0.03 (34) | 0.04 (37) | -0.08 (34) | -0.09 (37) | -0.04 (37) | -0.11 (40) | н | |
| 925 | -0.21 (39) | -0.17 (41) | -0.21 (39) | -0.21 (41) | -0.16 (45) | -0.23 (47) | м | - 0.013 | -0.13 (36) | -0.09 (39) | -0.12 (36) | -0.13 (39) | -0.04 (41) | -0.11 (44) | м | - 0.013 |
| Ъ. | 0.39 (18) | 0.35 (21) | 0.37 (18) | 0.24 (21) | -0.03 (19) | -0.03 (22) | L | P 2 | -0.08 (33) | -0.06 (36) | -0.06 (33) | -0.09 (36) | -0.13 (36) | -0.16 (39) | L | |
| Ľ | -0.06 (11) | -0.04 (11) | -0.05 (11) | -0.04 (11) | 0.16 (11) | 0.06 (11) | н | | -0.04 (13) | -0.01 (13) | -0.01 (13) | -0.01 (13) | 0.15 (13) | 0.05 (13) | н | |
| -500 | -0.54 (19) | -0.43 (19) | -0.50 (19) | -0.48 (19) | -0.26 (20) | -0.31 (20) | M | - 0.020 | -0.30 (15) | -0.14 (15) | -0.24 (15) | -0.20 (15) | 0.11 (16) | 0.03 (16) | м | - 0.020 |
| 700 | -0.06 (10) | 0.06 (13) | -0.17 (10) | -0.35 (13) | 0.23 (10) | -0.28 (13) | L | ent 700 | -0.70 (12) | -0.52 (15) | -0.76 (12) | -0.74 (15) | -0.21 (12) | -0.73 (15) | L | ent |
| В | -0.83 (5) | 0.01 (5) | 0.87 (5) | 0.93 (5) | 0.89 (5) | 0.86 (5) | н | LB III | -0.02 (12) | 0.15 (12) | -0.02 (12) | 0.00 (12) | 0.19 (12) | 0.21 (12) | н | ffici |
| 500 | -0.32 (28) | -0.24 (29) | -0.31 (28) | -0.33 (29) | -0.03 (29) | -0.17 (30) | м | - 0.040 0 6 | -0.72 (15) | -0.69 (16) | -0.71 (15) | -0.71 (16) | -0.31 (15) | -0.62 (16) | м | - 0.040 👸 |
| 850 | -0.81 (7) | -0.40 (9) | -0.72 (7) | -0.56 (9) | 0.85 (7) | -0.38 (9) | L | tion | -0.35 (13) | -0.17 (15) | -0.46 (13) | -0.51 (15) | -0.28 (14) | -0.62 (16) | L | tion |
| В | 0.04 (5) | 0.15 (8) | 0.00 (5) | 0.02 (8) | 0.08 (7) | -0.15 (10) | н | La la | 0.10 (30) | 0.04 (37) | 0.10 (30) | 0.03 (37) | 0.16 (33) | 0.01 (40) | н | rela |
| 700 | -0.08 (54) | -0.08 (60) | -0.07 (54) | -0.12 (60) | -0.11 (60) | -0.18 (66) | м | - inf O | -0.35 (36) | -0.26 (38) | -0.37 (36) | -0.38 (38) | -0.35 (42) | -0.38 (44) | м | - inf O |
| 850- | -0.09 (44) | 0.06 (44) | -0.10 (44) | -0.04 (44) | -0.11 (45) | -0.14 (45) | L | rsor 850- | -0.09 (37) | 0.07 (37) | -0.11 (37) | -0.03 (37) | -0.10 (37) | -0.12 (37) | L | Isor |
| × | -0.09 (17) | 0.04 (18) | -0.13 (17) | -0.16 (18) | 0.11 (17) | -0.01 (18) | н | Peg | -0.08 (14) | 0.04 (14) | -0.13 (14) | -0.16 (14) | 0.09 (14) | 0.03 (14) | н | Pea |
| Inde | -0.41 (14) | -0.40 (16) | -0.41 (14) | -0.44 (16) | -0.30 (14) | -0.38 (16) | м | - 0.040 2 4 | -0.65 (14) | -0.54 (17) | -0.66 (14) | -0.62 (17) | -0.50 (14) | -0.56 (17) | м | - 0.040 |
| ¥- | -0.45 (9) | -0.33 (9) | -0.42 (9) | -0.43 (9) | 0.15 (10) | -0.09 (10) | L | e le | -0.31 (12) | -0.25 (12) | -0.23 (12) | -0.22 (12) | 0.02 (13) | -0.12 (13) | L | e e |
| | -0.01 (19) | -0.02 (21) | 0.01 (19) | -0.04 (21) | 0.14 (20) | 0.06 (22) | н | P-va | -0.08 (39) | -0.06 (41) | -0.06 (39) | -0.07 (41) | 0.03 (40) | -0.02 (42) | н | P-va |
| CLAI | -0.14 (49) | -0.11 (53) | -0.14 (49) | -0.15 (53) | -0.10 (57) | -0.15 (61) | м | - 0.020 | -0.14 (28) | -0.16 (32) | -0.14 (28) | -0.17 (32) | -0.32 (36) | -0.37 (40) | м | - 0.020 |
| 2 | 0.16 (35) | 0.20 (38) | 0.13 (35) | 0.09 (38) | -0.09 (37) | -0.13 (40) | L | 3 | 0.16 (36) | 0.20 (39) | 0.13 (36) | 0.09 (39) | -0.09 (38) | -0.13 (41) | L | |
| | -0.38 (17) | -0.32 (19) | -0.39 (17) | -0.41 (19) | -0.29 (17) | -0.33 (19) | н | | -0.26 (37) | -0.20 (41) | -0.29 (37) | -0.30 (41) | -0.12 (38) | -0.21 (42) | н | |
| CAPE | -0.16 (40) | -0.10 (44) | -0.17 (40) | -0.16 (44) | -0.07 (41) | -0.13 (45) | м | -0.013 | -0.04 (35) | 0.05 (37) | -0.02 (35) | 0.01 (37) | -0.13 (38) | -0.13 (40) | м | - 0.013 |
| 0 | 0.09 (46) | 0.12 (49) | 0.12 (46) | 0.08 (49) | -0.16 (56) | -0.26 (59) | L. | 0.015 | 0.13 (31) | 0.15 (34) | 0.16 (31) | 0.09 (34) | -0.02 (38) | -0.17 (41) | L | 0.015 |
| M | -0.74 (15) | -0.48 (16) | -0.72 (15) | -0.59 (16) | -0.48 (16) | -0.51 (17) | н | | -0.24 (31) | -0.19 (35) | -0.19 (31) | -0.20 (35) | -0.10 (34) | -0.19 (38) | н | |
| hPa | -0.05 (59) | -0.03 (65) | -0.07 (59) | -0.08 (65) | -0.08 (63) | -0.13 (69) | м | - 0.010 ⁴ | -0.08 (36) | -0.05 (39) | -0.12 (36) | -0.13 (39) | -0.03 (37) | -0.07 (40) | M | 0.010 |
| 700 | 0.09 (29) | 0.13 (31) | 0.10 (29) | 0.06 (31) | -0.12 (33) | -0.16 (35) | L | | 0.10 (36) | 0.13 (38) | 0.11 (36) | 0.07 (38) | -0.17 (41) | -0.19 (43) | L | V 0.010 |
| | 355-nm AOT | 532-nm AOT | 255.nm Evt | 532-nm Ext | 355-pm Bsc | 522.nm Rcc | 4 | • | 355-nm AOT | 532-nm AOT | 355-pm Ext | 532-nm Ext | 355-pm Bsc | 532-nm Bsc | - | • |
| | 000 11111101 | 000 11111101 | 333-IIII EXC | JJL IIII LAC | 555 1111 050 | 332-mm bsc | | | 555 mm A01 | | 333 min Exc | 332 mm EAC | 555 1111 650 | 552 mm 050 | | |
| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | |
| F | 355-nm AOT -0.04 (31) | 532-nm AOT 0.06 (33) | 355-nm Ext -0.10 (31) | 532-nm Ext -0.08 (33) | 355-nm Bsc -0.08 (34) | 532-nm Bsc -0.12 (36) |]н | ▲ F | 355-nm AOT -0.07 (25) | 532-nm AOT 0.03 (27) | 355-nm Ext -0.09 (25) | 532-nm Ext -0.11 (27) | 355-nm Bsc -0.03 (27) | 532-nm Bsc -0.17 (29) | н | |
| 1 km | 355-nm AOT -0.04 (31) -0.22 (53) | 532-nm AOT 0.06 (33) -0.20 (57) | 355-nm Ext -0.10 (31) -0.22 (53) | 532-nm Ext -0.08 (33) -0.23 (57) | 355-nm Bsc -0.08 (34) -0.11 (59) | 532-nm Bsc -0.12 (36) -0.21 (63) | н | 0.010 | 355-nm AOT -0.07 (25) -0.22 (56) | 532-nm AOT 0.03 (27) -0.18 (60) | 355-nm Ext -0.09 (25) -0.23 (56) | 532-nm Ext -0.11 (27) -0.23 (60) | 355-nm Bsc -0.03 (27) -0.10 (62) | 532-nm Bsc -0.17 (29) -0.18 (66) | н | 0.010 |
| T _d 1 km | 355-nm AOT -0.04 (31) -0.22 (53) 0.29 (19) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) | 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) | H M L | - 0.010 | 355-nm AOT -0.07 (25) -0.22 (56) 0.31 (22) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) | 532-nm Ext -0.11 (27) -0.23 (60) 0.21 (25) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) | H M L | 0.010 |
| ma T _a 1 km | 355-nm AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) | 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) | 532-nm Bsc 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) | H M L H | - 0.010 E | 355-nm AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) | 532-nm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) | H M L | 0.010 |
| 925 hPa T _d 1 km | 355-nm AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) | 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.22 (48) | H M L H | - 0.010 | 355-nm AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) | 532-nm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) | H M L H | 0.010 |
| T _d 925 hPa T _d 1 km | 355-nm AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (22) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) | 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) 0.17 (25) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.22 (48) -0.06 (27) | H M L H L | - 0.010 - 0.013 - 0.013 | 355-nm AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) | 532-nm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) | H M L H L | 0.010 |
| JLR T _d 925 hPa T _d 1 km | 355-nm AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (22) -0.04 (13) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) | 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) 0.17 (25) -0.01 (13) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) 0.15 (13) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.22 (48) -0.06 (27) 0.05 (13) | H M L H M L | - 0.010 | 355-nm AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) | 532-nm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) -0.01 (9) | H M L H M L | - 0.010 |
| -500 LR T _d 925 hPa T _d 1 km | 355-nm AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (22) -0.04 (13) -0.30 (15) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) | 532 nm Ext 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) 0.17 (25) -0.01 (13) -0.20 (15) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) 0.15 (13) 0.11 (16) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.22 (48) -0.06 (27) 0.05 (13) 0.03 (16) | H M H M L H M | - 0.010 - 0.013 - 0.020 | 355-nm AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) | 532 nm Ext 532-nm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) -0.10 (24) | 532 nm 8sc 532-nm 8sc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) -0.01 (9) -0.27 (24) | H M H M L H M | - 0.010 - 0.013 - 0.020 |
| 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (22) -0.04 (13) -0.30 (15) -0.70 (12) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) -0.76 (12) | 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) 0.17 (25) -0.01 (13) -0.20 (15) -0.74 (15) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) 0.15 (13) 0.11 (16) -0.21 (12) | 532-nm Bsc 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.06 (27) 0.05 (13) 0.03 (16) -0.73 (15) | H L H M L H M L | - 0.010 - 0.013 - 0.013 - 0.020 - 0.02 | 355-m AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) | 532-mi Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) -0.10 (24) 0.30 (8) | 532-nm Bsc 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.19 (29) -0.19 (65) -0.11 (29) -0.01 (9) -0.27 (24) -0.21 (11) | H H H H H H L H H L | - 0.010 - 0.013 - 0.020 |
| LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (21) 0.02 (22) -0.04 (13) -0.30 (15) -0.30 (15) -0.70 (12) -0.55 (7) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) 0.42 (7) | 355-nm Ext 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) -0.26 (12) 0.22 (7) | 532-mm Ext 532-mm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) 0.17 (25) -0.01 (13) -0.20 (15) -0.24 (15) 0.39 (7) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) 0.15 (13) 0.11 (16) -0.21 (12) 0.24 (7) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.22 (48) -0.06 (27) 0.05 (13) 0.03 (16) -0.73 (15) 0.59 (7) | H H H H H H L H H | - 0.010 - 0.013 - 0.020 - 0.02 | 355-m AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) 0.14 (8) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (55) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) 0.24 (8) | 532-mm Ext 532-mm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (8) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) -0.10 (24) 0.30 (8) 0.31 (8) | 532-nm Bsc 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) -0.01 (9) -0.27 (24) -0.21 (11) 0.49 (8) | H M L H M L H | - 0.010 - 0.013 - 0.020 |
| -500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-mm AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (22) -0.04 (13) -0.30 (15) -0.70 (12) -0.56 (7) -0.32 (23) | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) 0.42 (7) -0.24 (24) | 355-nm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) -0.76 (12) 0.22 (7) -0.32 (23) | 532-nm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) 0.17 (25) -0.01 (13) -0.20 (15) 0.39 (7) -0.34 (24) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.12 (46) -0.02 (24) 0.15 (13) 0.11 (16) -0.21 (12) 0.24 (7) -0.06 (24) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.05 (13) -0.05 (13) 0.03 (16) -0.73 (15) 0.59 (7) -0.23 (25) | H M L H M L H M | - 0.010 - 0.024 - 0.0013 - 1 - 0.024 - 0.0020 - 0.0020 - 0.0020 - 0.0020 - 0.0020 - 0.0020 - 0.0020 | 355-m AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) 0.14 (8) -0.34 (22) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) | 355-nm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) 0.24 (8) -0.34 (22) | 532-nm Ext 532-nm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (8) -0.35 (23) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) -0.10 (24) 0.30 (8) 0.31 (8) -0.06 (23) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) -0.01 (9) -0.27 (24) -0.21 (11) 0.49 (8) -0.25 (24) | H M L H M L H M | - 0.010 - 0.013 - 0.020 |
| 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (21) -0.04 (13) -0.20 (15) -0.70 (12) -0.56 (7) -0.32 (23) -0.72 (10) | 532-mm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) 0.42 (7) -0.24 (24) -0.24 (24) -0.24 (24) | 355-mm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) -0.76 (12) 0.22 (7) -0.32 (23) -0.77 (10) | 532-mm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.21 (13) -0.20 (15) -0.74 (15) 0.39 (7) -0.34 (24) -0.68 (12) | 355-nm Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) 0.15 (13) 0.11 (16) -0.21 (12) 0.24 (7) -0.06 (24) -0.04 (10) | 532-mm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.22 (48) -0.06 (27) 0.05 (13) 0.03 (16) -0.73 (15) 0.59 (7) -0.23 (25) -0.77 (12) | H M L H M L H M L | - 0.010 UT - 0.013 - 0.013 - 0.013 - 0.020 UT - 0.020 - 0.020 UT - 0.020 - 0.020 UT - 0.020 | 355-m AOT -0.07 (25) -0.22 (56) 0.31 (22) -0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) 0.14 (8) -0.34 (22) -0.72 (10) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.24 (12) | 355-m Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.07 (8) 0.24 (8) -0.34 (22) -0.34 (22) -0.77 (10) | 532-mm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (8) -0.35 (23) -0.68 (12) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) -0.10 (24) 0.30 (8) 0.31 (8) -0.06 (23) -0.04 (10) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.10 (29) -0.11 (29) -0.01 (9) -0.27 (24) -0.21 (11) 0.49 (8) -0.25 (24) -0.27 (12) | H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 upp |
| LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (21) 0.022 (22) -0.04 (13) -0.30 (15) -0.30 (15) -0.30 (15) -0.56 (7) -0.32 (23) -0.23 (23) -0.23 (10) | 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) 0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.42 (7) -0.24 (24) -0.24 (24) -0.24 (21) -0.24 (25) -0.24 (25) -0.25 (25) -0.26 (25) | 355-mm Ext 355-mm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) -0.76 (12) 0.22 (7) -0.32 (23) -0.77 (10) 0.01 (10) | 532-m1 Ext 532-m2 Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.20 (15) -0.74 (15) 0.39 (7) -0.34 (24) -0.34 (24) 0.02 (15) | 355-m Bac -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.12 (46) -0.02 (24) 0.11 (16) -0.21 (12) 0.24 (7) -0.06 (24) -0.34 (10) 0.19 (13) | 532-nm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.22 (48) -0.06 (27) 0.05 (13) 0.03 (16) -0.73 (15) 0.59 (7) -0.23 (25) -0.77 (12) -0.00 (18) | H M L H M L H M L H | - 0.010 - 1 - 0.013 - 0.013 - 1 - 0.013 - 0.020 - 0.020 0.020 - 0.020 - 0.020 0.020 0.020 - 0.020 - 0.020 - 0.020 | 355-m AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) 0.14 (8) -0.34 (22) -0.72 (10) 0.26 (19) | 532-m AOT 0.03 (27) -0.18 (60) 0.18 (25) -0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.48 (12) 0.12 (26) | 355-m Ext -0.09 (25) -0.23 (56) 0.66 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) 0.24 (8) -0.34 (22) -0.77 (10) 0.25 (19) | 532-mm Ext -0.11 (27) -0.23 (60) 0.21 (25) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (8) -0.35 (23) -0.68 (12) 0.12 (26) | 355-nm Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) -0.13 (9) -0.10 (24) 0.30 (8) 0.31 (8) -0.06 (23) -0.26 (22) | 532-nm Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.10 (29) -0.11 (29) -0.27 (24) -0.21 (11) 0.49 (8) -0.25 (24) -0.77 (12) 0.09 (29) | H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.040 Contemport |
| -700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (22) -0.04 (13) -0.30 (15) -0.70 (12) -0.56 (7) -0.32 (23) -0.72 (10) -0.03 (10) -0.21 (54) | 532-m AOT 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) 0.42 (7) -0.24 (24) -0.24 (24) -0.26 (15) -0.05 (15) -0.10 (58) | 355-mm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) -0.76 (12) 0.22 (7) -0.32 (23) -0.77 (10) 0.01 (10) -0.12 (54) | 532-m Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) 0.17 (25) -0.01 (13) -0.20 (15) -0.74 (15) 0.39 (7) -0.34 (24) -0.68 (12) 0.02 (15) -0.26 (58) | 355-m Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.15 (13) 0.15 (13) 0.11 (16) -0.22 (27) -0.06 (24) -0.24 (7) -0.06 (24) -0.34 (10) 0.19 (13) -0.16 (59) | 532-mm Bsc 532-mm Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.16 (48) -0.06 (27) 0.05 (13) 0.03 (16) -0.73 (15) 0.59 (7) -0.23 (25) -0.77 (12) -0.00 (18) -0.02 (63) | H M L H M L H M L H M L H M | 7 0000 1 10000 1 1000 1 1000 1 1000 1 1000 1 1000 1 1000 1 1000 1 1000 1 1000 1 | 355-m AOT -0.07 (25) -0.22 (56) 0.31 (22) -0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) 0.14 (8) -0.34 (22) -0.72 (10) 0.26 (19) -0.24 (56) | 532-mm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.48 (12) 0.12 (26) -0.16 (58) | 355-m Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) 0.24 (8) -0.34 (22) -0.77 (10) 0.25 (19) -0.26 (56) | 532-mi Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (8) -0.35 (23) -0.68 (12) 0.12 (26) -0.26 (58) | 355-m Bac -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) -0.10 (24) 0.30 (8) 0.31 (8) -0.06 (23) -0.34 (10) 0.26 (22) -0.23 (62) | 532-m8 Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.01 (9) -0.27 (24) -0.27 (24) -0.25 (24) -0.25 (24) -0.77 (12) 0.09 (29) -0.26 (64) | H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.020 - 0.040.0 - 0.020 - 0.040.0 - 0.04 |
| 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (22) -0.04 (13) -0.20 (13) -0.70 (12) -0.56 (7) -0.57 (12) -0.56 (7) -0.32 (23) -0.72 (10) -0.03 (10) -0.12 (54) -0.07 (59) | 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) -0.24 (24) -0.24 (24) -0.05 (15) -0.10 (58) 0.07 (39) | 355-mm Ext -0.10 (31) -0.22 (53) -0.22 (53) -0.24 (40) -0.20 (41) 0.28 (22) -0.01 (13) -0.24 (15) -0.76 (12) 0.22 (7) -0.32 (23) -0.77 (10) 0.01 (10) -0.12 (54) -0.79 (39) | 532-mm Ext -0.08 (33) -0.23 (57) 0.19 (22) -0.21 (44) -0.21 (43) 0.17 (25) -0.01 (13) -0.20 (15) -0.74 (15) 0.39 (7) -0.34 (24) -0.68 (12) 0.02 (15) -0.16 (58) -0.20 (39) | 355-mR Bsc -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) 0.15 (13) 0.11 (16) -0.21 (12) 0.24 (7) -0.06 (24) -0.34 (10) 0.19 (13) -0.16 (59) -0.11 (40) | 532-mB Bsc -0.12 (36) -0.21 (63) -0.05 (24) -0.05 (24) -0.06 (27) 0.05 (13) 0.03 (16) -0.73 (15) 0.59 (7) -0.23 (25) -0.77 (12) -0.00 (18) -0.22 (63) -0.23 (40) | H M L H M L H M L H M L H M L H M L | 1 - 0.010 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.00000 - 0.000000 - 0.00000 - 0 | 355-m AOT -0.07 (25) -0.22 (56) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) 0.14 (8) -0.34 (22) -0.72 (10) 0.26 (19) -0.24 (56) -0.18 (28) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.48 (12) 0.12 (26) -0.16 (58) 0.3 (28) | 355-mm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.07 (8) 0.24 (8) -0.34 (22) -0.34 (22) -0.37 (10) 0.25 (19) -0.26 (56) -0.16 (28) | 532-mm Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (8) -0.35 (23) -0.68 (12) 0.12 (26) -0.26 (58) -0.11 (28) | 355-mR Bsc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.13 (9) -0.10 (24) 0.30 (8) 0.31 (8) -0.06 (23) -0.06 (23) -0.34 (10) 0.26 (22) -0.23 (62) -0.07 (28) | 532-mR Bsc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) -0.27 (24) -0.21 (11) 0.49 (8) -0.25 (24) -0.25 (24) -0.77 (12) 0.09 (29) -0.26 (64) -0.13 (28) | H M L H M L H M L H M L | - 0.010 |
| xx 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355.ma A07 -0.04 (31) -0.22 (53) -0.28 (40) -0.28 (40) -0.28 (40) -0.22 (22) -0.04 (13) -0.22 (22) -0.07 (12) -0.70 (12) -0.70 (12) -0.70 (12) -0.70 (12) -0.70 (12) -0.72 (10) -0.72 (10) -0.03 (10) -0.03 (10) -0.02 (15) -0.09 (16) | 532-mm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) 0.42 (7) -0.24 (24) -0.24 (24) -0.48 (12) -0.10 (58) 0.07 (39) 0.03 (16) | 335-mm Ext 355-mm Ext -0.10 (31) -0.22 (53) 0.35 (19) -0.24 (15) -0.24 (| 52-m Ext -0.08 (33) -0.22 (57) 0.19 (22) -0.21 (43) 0.17 (25) -0.21 (43) 0.17 (25) -0.21 (43) 0.17 (25) -0.21 (13) -0.20 (15) -0.68 (12) 0.02 (15) -0.02 (15) -0.02 (15) -0.02 (15) -0.02 (15) -0.02 (15) -0.02 (15) -0.05 (16) | -0.08 (34) -0.08 (34) -0.11 (59) -0.00 (21) -0.01 (44) -0.14 (46) -0.02 (24) -0.11 (16) -0.21 (12) -0.24 (7) -0.34 (10) -0.34 (10) -0.34 (10) -0.11 (16) (59) -0.11 (14) | 532-m Bsc 532-m Bsc -0.12 (36) -0.22 (63) -0.05 (24) -0.05 (24) -0.06 (27) -0.05 (13) -0.03 (16) -0.23 (25) -0.23 (25) -0.27 (12) -0.00 (18) -0.23 (63) -0.33 (16) -0.33 (1 | H M L H M L H M L H M L H | 0.010 - 0.013 - 0.0013 - 0.020 - 0. | 355-m AOT -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) 0.14 (8) -0.34 (22) -0.72 (10) 0.26 (19) -0.24 (56) -0.18 (28) -0.18 (28) -0.38 (12) | 532-nm AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.48 (12) 0.12 (26) -0.16 (58) 0.03 (28) -0.29 (12) | 355-mm Ext -0.09 (25) -0.22 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) 0.24 (8) -0.07 (8) 0.24 (8) -0.07 (8) 0.25 (19) -0.25 (19) -0.26 (56) -0.16 (28) -0.40 (12) | 52-m Ex -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.04 (21) -0.42 (11) 0.28 (8) -0.42 (11) 0.28 (8) -0.55 (23) -0.66 (12) 0.12 (26) -0.11 (28) -0.11 (28) -0.41 (12) | 355-mm BSc -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (28) | -0.17 (29) -0.18 (66) -0.09 (28) -0.19 (65) -0.11 (29) -0.19 (65) -0.11 (29) -0.21 (11) -0.27 (24) -0.27 (24) | H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.040 upper - 0.040 - 0.040 upper - 0.040 upper - 0.040 - 0.040 upper - 0. |
| index 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT -0.04 (31) -0.22 (53) -0.29 (19) -0.18 (40) -0.22 (41) -0.22 (41) -0.04 (13) -0.04 (13) -0.04 (13) -0.04 (13) -0.056 (7) -0.25 (23) -0.72 (10) -0.03 (10) -0.12 (54) -0.07 (19) -0.06 (14) | 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) -0.24 (24) -0.48 (12) -0.05 (15) -0.7 (39) 0.03 (16) -0.35 (17) | 355-min Ext -0.10 (31) -0.22 (53) -0.35 (19) -0.24 (40) -0.20 (41) -0.24 (40) -0.24 (15) -0.76 (12) -0.24 (15) -0.76 (12) -0.22 (7) -0.32 (23) -0.77 (10) -0.12 (54) -0.12 (54) -0.12 (16) -0.56 (14) | 52-m Ext -0.08 (33) -0.23 (57) -0.19 (22) -0.21 (44) -0.21 (44) -0.21 (43) -0.17 (25) -0.01 (13) -0.20 (15) -0.20 (15) -0.24 (15) -0.38 (7) -0.34 (24) -0.61 (58) -0.02 (39) -0.15 (16) -0.65 (17) | -0.06 (34) -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) -0.15 (13) -0.11 (16) -0.24 (7) -0.06 (24) -0.34 (10) -0.16 (59) -0.11 (40) -0.11 (16) -0.50 (14) | 532-nm 85c -0.12 (36) -0.22 (36) -0.05 (63) -0.05 (63) -0.06 (48) -0.06 (27) 0.05 (13) 0.05 (13) 0.05 (13) 0.05 (13) -0.73 (15) -0.73 (15) -0.75 (15) | Н | Total 0.00.0 | 355.mm A07 -0.07 (25) -0.22 (26) 0.33 (22) 0.05 (24) -0.24 (26) 0.22 (23) -0.13 (9) -0.51 (23) -0.33 (8) -0.34 (22) -0.72 (10) 0.22 (13) -0.24 (56) -0.24 (27) -0.24 (56) -0.24 (27) -0.24 (27) -0.34 (27) | 522-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (25) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.40 (22) 0.12 (26) -0.16 (58) 0.03 (28) -0.24 (22) | 355-mir Ek -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) -0.24 (8) -0.34 (22) -0.77 (10) 0.25 (19) -0.25 (19) -0.26 (56) -0.16 (28) -0.35 (19) | 52-m Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (6) -0.35 (23) -0.68 (12) 0.28 (6) -0.11 (28) -0.11 (28) -0.38 (22) -0.39 (22) -0.3 | 355-mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) -0.10 (24) -0.31 (8) -0.06 (23) -0.34 (10) -0.26 (22) -0.26 (22) -0.07 (28) -0.07 (12) -0.25 (19) | 32-m BSc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.10 (55) -0.11 (29) -0.01 (9) -0.27 (24) -0.21 (11) -0.48 (8) -0.25 (24) -0.77 (12) -0.26 (64) -0.13 (28) -0.14 (12) -0.34 (22) | H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.013 - 0.020 - 0.0400 - 0.0400 - 0.0400 - 0.0400 - 0.0400 - 0.0400 - 0.0400 - 0.0400 - 0.0400 - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.010 - 0.013 - 0.010 - 0.013 - 0.010 - 0.013 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.0140 - 0.014 - 0.0140 - 0.01400 - 0.01400 - 0.0140 - 0.0140 - 0.0140 - 0.0140 - 0.0140 - |
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| CLAIt K-Index 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-m AOT -0.04 (31) -0.22 (39) -0.28 (40) -0.28 (40) -0.22 (22) -0.04 (13) -0.04 (13) -0.04 (13) -0.05 (7) -0.56 (7) -0.56 (7) -0.55 (23) -0.70 (12) -0.55 (23) -0.72 (10) -0.55 (23) -0.72 (10) -0.55 (23) -0.72 (10) -0.55 (10) | 532-mm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) -0.24 (24) -0.48 (12) -0.05 (15) -0.10 (58) 0.07 (39) 0.03 (29) -0.36 (44) | 355-min Ext -0.10 (31) -0.22 (53) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (15) -0.76 (12) -0.24 (15) -0.76 (12) -0.24 (15) -0.24 (15) -0.27 | 52-m Ext -0.08 (33) -0.23 (57) -0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (15) -0.74 (15) -0.74 (15) -0.74 (15) -0.68 (12) -0.02 (15) -0.15 (16) -0.02 (15) -0.15 (16) -0.03 (17) -0.21 (10) -0.22 (10) -0.23 (10) -0.23 (10) -0.23 (10) -0.23 (10) -0.25 (1 | -0.08 (34) -0.08 (34) -0.11 (59) -0.00 (21) -0.00 (21) -0.01 (44) -0.14 (46) -0.02 (24) -0.15 (13) -0.15 (13) -0.11 (16) -0.21 (12) -0.24 (17) -0.06 (24) -0.24 (10) -0.16 (59) -0.11 (40) -0.55 (14) -0.55 (14) -0.56 (48) -0.56 (48) | 532-m Bsc -0.12 (36) -0.21 (36) -0.21 (36) -0.05 (24) -0.05 (24) -0.05 (27) -0.05 (27) -0.23 (25) -0.77 (12) -0.70 (12) -0.23 (31) -0.21 (32) -0.31 (40) -0.31 (11) -0.31 (11) -0.32 (32) -0.22 (32) -0.23 (32) -0.31 (32) -0.31 (32) -0.31 (32) -0.32 (| H M L H M L H M L H M L H M | - 0.010 - 0.010 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.00000 - 0.00000 - 0.00 | 355.mm AC -0.07 (25) -0.22 (56) 0.33 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) -0.14 (8) -0.34 (22) -0.72 (10) 0.24 (56) -0.34 (22) -0.32 (12) -0.34 (12) -0. | 532-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) 0.16 (26) 0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.48 (12) -0.28 (22) -0.33 (9) 0.33 (9) 0.36 (31) -0.16 (51) | 355-mm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) -0.34 (22) -0.77 (15) -0.25 (19) -0.25 (19) -0.25 (19) -0.35 (19) -0.42 (9) -0.52 (9) -0.55 (9) | 52-m Ex -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (21) -0.42 (11) 0.28 (8) -0.42 (11) -0.28 (8) -0.35 (23) -0.68 (12) 0.12 (26) -0.26 (58) -0.11 (28) -0.41 (12) -0.39 (22) -0.43 (9) 0.02 (31) -0.23 (51) | 355-mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) -0.10 (24) -0.33 (8) -0.33 (8) -0.33 (8) -0.33 (8) -0.33 (8) -0.26 (23) -0.26 (23) -0.26 (23) -0.26 (23) -0.26 (23) -0.26 (23) -0.26 (23) -0.27 (28) -0.07 (12) -0.25 (19) -0.25 (19) -0.25 (19) -0.215 (10) -0.76 (25) -0.215 (10) -0.76 (25) -0.25 (19) -0.215 (10) -0.76 (25) -0.215 (10) -0.76 (25) -0.25 (19) -0.25 (19) -0.215 (10) -0.76 (25) -0.25 (19) -0.25 (19) -0.215 (10) -0.215 | 32-m BSc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.10 (50) -0.11 (29) -0.11 (29) -0.27 (24) -0.27 (24) -0.27 (24) -0.25 (24) -0.30 (28) -0.13 (28) -0.14 (12) -0.34 (22) -0.93 (20) | H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.020 - Inf - 0.04000 unphilipuno - 0.04000 unphilipuno - 0.04000 unphilipuno - 0.020 |
| LCL Alt Kindex 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-m AOT -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.22 (41) 0.22 (22) -0.04 (13) -0.04 (13) -0.04 (13) -0.05 (7) -0.05 (7) -0.05 (2) -0.07 (39) -0.07 (39) -0.06 (14) -0.02 (10) -0.32 (23) -0.04 (13) -0.04 (13) -0.04 (13) -0.04 (14) -0.04 (14) - | 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.20 (13) -0.14 (15) -0.52 (15) 0.42 (7) -0.24 (24) -0.48 (12) -0.05 (15) -0.05 (15) -0.07 (39) 0.03 (29) -0.16 (44) 0.20 (39) | 335-min Ext -0.10 (31) -0.22 (53) -0.35 (19) -0.24 (40) -0.26 (41) -0.26 (42) -0.01 (13) -0.24 (15) -0.76 (12) -0.77 (10) -0.32 (23) -0.77 (10) -0.12 (54) -0.07 (39) -0.12 (54) -0.06 (14) -0.22 (10) -0.66 (14) -0.22 (10) -0.66 (14) -0.22 (10) -0.56 (27) -0.19 (40) -0.13 (36) -0.13 (36) -0.13 (36) -0.13 (36) -0.13 (36) -0.13 (36) -0.10 (31) -0.10 (15) -0.10 | 52-m Ext -0.08 (33) -0.22 (57) -0.21 (44) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (43) -0.20 (15) -0.20 (15) -0.24 (15) -0.34 (24) -0.68 (12) -0.24 (15) -0.21 (15) -0.21 (15) -0.21 (10) -0.22 (29) -0.20 (44) -0.20 (43) -0.20 (44) -0.20 (45) -0.20 (4 | -0.08 (34) -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) -0.15 (13) -0.15 (13) -0.11 (16) -0.24 (7) -0.06 (24) -0.06 (24) -0.06 (24) -0.06 (24) -0.06 (24) -0.01 (11) -0.11 (40) -0.11 (40) -0.11 (40) -0.11 (40) -0.11 (40) -0.50 (14) -0.50 (14) - | 532-m BSc 532-m BSc -0.12 (36) -0.22 (48) -0.05 (24) -0.06 (48) -0.22 (48) -0.06 (27) -0.05 (13) -0.33 (16) -0.73 (17) -0.23 (25) -0.77 (12) -0.03 (16) -0.23 (25) -0.13 (40) -0.33 (30) -0.22 (52) -0.33 (41) -0.23 (52) -0.23 (5 | H M L H M L H M L H M L H M L | Constant Constan | 355.mm A07 -0.07 (25) -0.22 (26) 0.31 (22) 0.05 (24) -0.24 (26) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) -0.34 (8) -0.34 (8) -0.34 (22) -0.72 (10) 0.26 (19) -0.24 (56) -0.38 (12) -0.31 (19) -0.31 (19) -0.35 (19) -0.31 (19) -0.31 (28) -0.31 (28) -0. | 522-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (25) -0.10 (9) -0.40 (23) 0.22 (11) 0.36 (8) 0.36 (8) 0.32 (23) -0.46 (12) 0.12 (26) -0.36 (8) 0.33 (8) -0.26 (23) -0.33 (9) 0.33 (31) -0.16 (51) 0.15 (30) | 353-mir Ek -0.09 (25) -0.22 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) -0.07 (8) -0.34 (22) -0.77 (10) 0.24 (56) -0.16 (28) -0.16 (28) -0.35 (19) -0.35 (19) -0.35 (19) -0.32 (9) -0.32 (9) -0.22 (46) 0.13 (28) | 52-m Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.47 (23) -0.47 (23) -0.47 (23) -0.47 (23) -0.47 (23) -0.43 (24) -0.28 (8) -0.11 (28) -0.43 (9) -0.43 (9) -0.23 (51) -0.23 (51) -0.11 (30) | 355-mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) -0.10 (24) -0.31 (8) -0.10 (24) -0.31 (8) -0.31 (8) -0.32 (8) -0 | 52-m BSc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.25 (24) -0.26 (24) -0.25 (2 | H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.013 - 0.010 - 0.013 - 0.013 - 0.013 - 0.013 - 0.013 - 0.014 - 0.01 |
| E LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355.mn A07 -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (22) -0.04 (13) -0.22 (22) -0.04 (13) -0.22 (22) -0.07 (12) -0.07 (12) -0.07 (12) -0.05 (7) -0.03 (10) -0.07 (12) -0.09 (16) -0.09 (16) -0.03 (12) -0.18 (40) -0.18 (4 | 532-nm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) 0.42 (7) -0.24 (24) -0.24 (24) -0.24 (24) -0.24 (24) -0.25 (15) -0.10 (58) 0.07 (39) 0.3 (16) -0.55 (17) -0.22 (10) 0.03 (29) -0.16 (44) 0.20 (39) -0.16 (26) | 355-min Ext -0.10 (31) -0.22 (53) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (40) -0.24 (40) -0.28 (22) -0.24 (40) -0.24 (40) -0.36 (20) -0.36 | 52-m Ex -0.06 (33) -0.23 (57) -0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.17 (25) -0.01 (13) -0.20 (15) -0.39 (7) -0.36 (72) -0.36 (72) -0.21 (10) -0.21 (10) | 355-mm 85c -0.06 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.11 (46) -0.02 (24) 0.15 (13) 0.11 (16) -0.22 (12) 0.24 (7) -0.62 (24) -0.34 (10) 0.19 (13) -0.16 (59) -0.11 (40) 0.11 (16) -0.50 (24) -0.51 (12) 0.24 (7) -0.63 (10) 0.91 (13) -0.11 (40) 0.11 (16) -0.50 (24) -0.51 (24) -0.51 (24) -0.51 (24) -0.51 (24) | 532-m Bsc -0.12 (36) -0.21 (43) -0.21 (43) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (13) -0.22 (48) -0.22 (48) -0.22 (48) -0.23 (14) -0.22 (52) -0.11 (11) -0.23 (34) -0.22 (52) -0.18 (26) -0.18 (| H M L H M L H M L H M L H M L H | Control 11 10026018 1 10026018 1 10026018 1 10026018 1 1002600 | 355.mm A07 -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (6) 0.14 (8) -0.34 (22) -0.72 (10) 0.26 (19) 0.26 (19) 0.26 (19) 0.26 (50) -0.18 (28) -0.33 (19) -0.33 (19) -0.34 (50) -0.34 (50) -0.34 (50) -0.34 (22) -0.31 (19) -0.34 (22) -0.31 (22) -0.32 (22) -0.32 (22) -0.32 (22) -0.32 (22) -0.32 (22) -0.33 (19) -0.34 (22) -0.34 | 532-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.016 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.48 (12) 0.12 (26) -0.48 (12) 0.03 (28) -0.29 (12) -0.24 (22) -0.24 (22) -0.24 (22) -0.24 (23) -0.33 (9) 0.03 (31) -0.16 (51) 0.15 (30) -0.56 (| 355-mm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) 0.44 (23) -0.07 (6) 0.24 (8) -0.34 (23) -0.07 (6) 0.25 (19) -0.25 (19) -0.26 (56) -0.16 (28) -0.40 (12) -0.35 (19) -0.22 (46) 0.35 (29) -0.22 (46) 0.13 (28) -0.18 (27) | 52-m Ex 52-m Ex -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.04 (26) -0.25 (60) 0.04 (26) -0.25 (60) -0.25 (60) -0.35 (23) -0.42 (11) 0.28 (8) -0.35 (23) -0.42 (11) 0.28 (8) -0.35 (23) -0.42 (12) 0.26 (58) -0.11 (28) -0.41 (12) -0.28 (58) -0.11 (28) -0.41 (12) -0.23 (51) 0.02 (51) -0.20 (51) | 355.mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.07 (26) 0.13 (9) -0.10 (24) 0.30 (6) 0.31 (8) -0.04 (10) 0.26 (22) -0.27 (28) -0.37 (28) -0.07 (28) - | 52-m 85c -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.10 (29) -0.11 (29) -0.01 (29) -0.01 (29) -0.21 (11) 0.49 (8) -0.22 (11) 0.49 (8) -0.22 (12) -0.22 (12) -0.9 (24) -0.22 (12) -0.9 (24) -0.22 (12) -0.9 (24) -0.22 (12) -0.22 (24) -0.22 (24) -0.27 (24) -0.22 (24) -0.27 (24) -0.22 (24) -0.27 (25) -0.27 (26) -0.27 (26) -0.27 (20) -0.27 (20) -0. | H M L H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.020 - 101 - 101 - 101 - 0.020 - 0.020 |
| CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T ₄ 925 hPa T ₄ 1 km | 355.m A0T -0.04 (31) -0.22 (39) -0.28 (40) -0.22 (22) -0.04 (13) -0.22 (22) -0.04 (13) -0.22 (22) -0.04 (13) -0.30 (10) -0.56 (7) -0.35 (23) -0.72 (10) -0.05 (10) -0.04 (14) -0.09 (16) -0.16 (37) -0.16 (3 | 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) -0.24 (24) -0.48 (12) -0.48 (12) -0.05 (15) -0.10 (58) 0.07 (39) 0.03 (16) -0.56 (17) -0.22 (10) 0.03 (29) -0.16 (44) 0.20 (39) -0.12 (26) -0.11 (41) | 355-min Ext -0.10 (31) -0.22 (53) -0.24 (40) -0.24 (40) -0.24 (40) -0.28 (22) -0.24 (15) -0.24 | 52-m Ext -0.08 (33) -0.23 (57) -0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.17 (25) -0.01 (13) -0.20 (15) -0.74 (15) -0.74 (15) -0.38 (7) -0.34 (24) -0.63 (17) -0.15 (16) -0.20 (29) -0.20 (24) -0.20 (24) -0.20 (26) -0.20 (26) -0.36 (26) -0.35 (26 | -0.08 (34) -0.08 (34) -0.11 (59) -0.00 (21) -0.00 (21) -0.01 (44) -0.14 (46) -0.02 (24) -0.15 (13) -0.15 (13) -0.11 (16) -0.21 (12) -0.02 (27) -0.06 (24) -0.34 (10) -0.11 (16) -0.50 (14) -0.11 (16) -0.50 (14) -0.16 (59) -0.16 (48) -0.06 (28) -0.16 (48) -0.00 (28) -0.16 (24) -0.00 (24) -0.00 (24) -0.00 (24) -0.00 (24) -0.00 (24) -0.00 (24) | 532-m Bsc -0.12 (36) -0.21 (36) -0.21 (36) -0.05 (24) -0.05 (24) -0.05 (27) -0.05 (27) -0.23 (25) -0.77 (12) -0.23 (25) -0.77 (12) -0.23 (31) -0.23 (31) -0.23 (32) -0.23 (31) -0.23 (32) -0.23 (31) -0.23 (32) -0.23 (31) -0.23 (32) -0.23 (| H M L H M L H M L H M L H M L H M | 0.010 0.010 0.01 0.00 | 355.mm A07 -0.07 (25) -0.22 (26) 0.33 (22) 0.05 (24) -0.24 (26) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) -0.72 (10) 0.26 (19) -0.24 (56) -0.38 (22) -0.31 (19) -0.34 (12) -0.31 (19) -0.45 (9) -0.21 (46) 0.41 (28) -0.21 (46) 0.41 (28) -0.21 (46) -0.12 (27) -0.12 (27) -0.1 | 532-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (26) -0.10 (9) -0.40 (23) 0.12 (21) -0.36 (8) -0.26 (23) -0.46 (12) -0.16 (58) 0.03 (28) -0.24 (22) -0.24 (22) -0.24 (22) -0.33 (9) 0.03 (31) -0.16 (51) 0.13 (54) -0.13 (54) -0.15 (54) -0.13 (54) -0.13 (54) -0.15 | 355-mm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) 0.24 (8) -0.34 (22) -0.74 (8) -0.25 (19) -0.26 (56) -0.40 (12) -0.35 (19) -0.42 (9) 0.05 (29) -0.22 (46) 0.18 (27) -0.17 (49) -0.17 (49) -0.17 (49) -0.17 (49) -0.17 (49) -0.17 (49) -0.17 (49) -0.21 (46) -0.17 (49) -0.21 (46) -0.21 (46) -0.22 (46) -0.22 (46) -0.21 (46) -0.21 (46) -0.21 (46) -0.22 (46) -0.21 (46) -0.21 (46) -0.21 (46) -0.22 (46) -0.21 (46) -0.21 (46) -0.21 (46) -0.21 (46) -0.22 (46) -0.21 (46) -0.21 (46) -0.21 (46) -0.22 (46) -0.22 (46) -0.21 (46) -0.21 (46) -0.21 (47) -0.21 | 52-m Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.42 (11) 0.28 (6) -0.35 (23) -0.64 (12) -0.35 (23) -0.64 (12) -0.39 (22) -0.41 (12) -0.39 (22) -0.43 (9) 0.02 (31) -0.23 (51) -0.23 (51) -0.20 (30) -0.20 (30) -0.26 (58) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (30) -0.26 (58) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (50) -0.20 (50) -0.2 | 355.mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) -0.07 (26) -0.03 (8) -0.03 (8) -0.04 (24) -0.03 (8) -0.04 (10) -0.26 (22) -0.23 (62) -0.25 (19) -0.18 (57) -0.18 (57 | -0.17 (29) -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.10 (50) -0.11 (29) -0.11 (29) -0.21 (21) -0.27 (24) -0.27 (24) -0.27 (24) -0.25 (24) -0.77 (12) -0.43 (28) -0.14 (12) -0.34 (22) -0.94 (20) -0.27 (60) -0.27 (60) -0.27 (60) -0.25 (32) | H M L H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 |
| CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355.m AOT -0.04 (31) -0.22 (39) -0.29 (19) -0.21 (40) -0.22 (41) -0.22 (41) -0.22 (41) -0.22 (41) -0.04 (13) -0.04 (13) -0.04 (13) -0.04 (13) -0.04 (13) -0.04 (13) -0.04 (13) -0.05 (17) -0.32 (23) -0.72 (10) -0.32 (23) -0.72 (10) -0.64 (14) -0.64 (14) -0.74 (| 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) -0.24 (24) -0.48 (12) -0.048 (12) -0.05 (15) -0.10 (58) 0.07 (39) 0.03 (16) -0.56 (17) -0.22 (10) 0.03 (29) -0.12 (26) -0.11 (41) 0.24 (45) | 355-min Ext -0.10 (31) -0.22 (53) -0.35 (19) -0.24 (40) -0.20 (41) -0.20 (41) -0.20 (41) -0.22 (10) -0.24 (15) -0.74 (15) -0.74 (15) -0.72 (10) -0.32 (23) -0.77 (10) -0.32 (23) -0.77 (10) -0.12 (54) -0.12 | 52-m Ext -0.08 (33) -0.22 (57) -0.19 (22) -0.21 (44) -0.21 (43) -0.22 (43) -0.7 (25) -0.74 (15) -0.20 (15) -0.74 (15) -0.20 (15) -0.74 (15) -0.34 (24) -0.68 (12) -0.01 (15) -0.21 (10) -0.22 (11) -0.22 (12) -0.21 (10) -0.22 (11) -0.22 (11) -0.22 (11) -0.22 (12) -0.21 (14) -0.22 (12) -0.21 (14) -0.22 (12) -0.21 (14) -0.22 (12) -0.22 (12) -0.25 (12 | -0.08 (34) -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) -0.15 (13) -0.11 (16) -0.22 (7) -0.06 (24) -0.16 (59) -0.11 (40) -0.11 (51) -0.05 (14) -0.05 (15) -0.05 (15) - | J.J.: Hind Sai 5.32-min BSc -0.12 (36) -0.21 (63) -0.21 (63) -0.21 (63) -0.22 (48) -0.22 (48) -0.05 (13) 0.05 (13) 0.03 (16) -0.23 (25) -0.707 (12) -0.707 (12) -0.55 (17) -0.11 (11) 0.03 (30) -0.22 (43) -0.13 (40) 0.35 (16) -0.55 (17) -0.11 (12) 0.03 (30) -0.22 (43) -0.14 (43) | H M L H M L H M L H M L H M L H M L | - 0.010 - 0.01 | 355.mm A07 -0.07 (25) -0.22 (26) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (8) -0.34 (8) -0.34 (8) -0.34 (8) -0.34 (22) -0.72 (10) 0.26 (19) -0.24 (56) -0.38 (19) -0.24 (56) -0.38 (19) -0.24 (56) -0.31 (19) -0.24 (56) 0.03 (19) -0.24 (19) | 522-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (25) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.46 (12) 0.12 (26) -0.16 (51) 0.03 (28) -0.24 (22) -0.33 (9) 0.03 (31) -0.16 (51) 0.15 (30) -0.16 (51) 0.15 (30) -0.35 (8) -0.25 (28) | 355-mm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) -0.04 (82) -0.34 (22) -0.77 (10) 0.24 (56) -0.16 (28) -0.35 (19) -0.25 (15) -0.35 (19) -0.24 (9) 0.52 (29) -0.22 (46) 0.13 (28) -0.18 (27) -0.17 (49) 0.21 (27) | 52-m Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (23) -0.42 (11) 0.28 (60) -0.47 (23) -0.42 (11) 0.28 (60) -0.35 (23) -0.42 (25) -0.43 (9) -0.43 (9) 0.02 (31) -0.23 (51) 0.11 (30) -0.28 (30) -0.28 (30) -0.28 (30) -0.28 (30) -0.39 (22) -0.43 (9) -0.23 (51) 0.11 (30) -0.28 (30) -0.39 (20) -0.39 (20) -0.59 (50) -0.59 (5 | 355-mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) -0.10 (24) -0.10 (24) -0.31 (8) -0.31 (8) -0.31 (8) -0.33 (8) -0.34 (10) -0.26 (22) -0.26 (22) -0.27 (12) -0.27 (12) -0.25 (19) -0.15 (10) -0.75 (10) | 32-m BSc -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (65) -0.11 (29) -0.21 (21) -0.21 (21) -0.27 (24) -0.21 (21) -0.25 (24) -0.25 (24) -0.26 (64) -0.13 (28) -0.34 (22) -0.99 (10) -0.33 (22) -0.99 (10) -0.33 (22) -0.27 (30) -0.27 (64) | H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.0400 University - 0.0400 University - 0.0400 University - 0.0400 University - 0.0400 University - 0.020 - 0.013 |
| w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T ₆ 925 hPa T ₆ 1 km | 355.m A07 -0.04 (31) -0.22 (53) 0.29 (19) -0.18 (40) -0.22 (41) 0.02 (24) -0.04 (13) -0.22 (22) -0.04 (13) -0.22 (22) -0.07 (19) -0.07 (19 | 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) 0.42 (7) -0.24 (24) -0.25 (15) -0.10 (58) 0.07 (39) 0.03 (16) -0.55 (17) -0.22 (10) -0.16 (44) 0.16 (44) 0.16 (44) 0.16 (44) 0.12 (26) -0.11 (41) 0.14 (45) -0.25 (27) | 335-min Ext -0.10 (31) -0.22 (53) 0.35 (41) -0.24 (40) -0.24 (40) -0.24 (41) -0.26 (41) -0.26 (41) -0.24 (15) -0.72 (12) -0.27 (10) -0.32 (23) -0.77 (10) -0.12 (54) -0.12 | 52-m Ex -0.06 (33) -0.23 (57) -0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.17 (25) -0.01 (13) -0.20 (15) -0.39 (7) -0.34 (24) -0.36 (12) -0.36 (12) -0.36 (12) -0.02 (15) -0.35 (17) -0.21 (10) -0.21 (10) -0.21 (10) -0.21 (10) -0.21 (20) -0.21 (20) | 355-mm 85c -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.11 (25) -0.22 (12) 0.24 (7) -0.02 (24) 0.15 (13) 0.11 (16) -0.22 (12) 0.24 (7) -0.66 (24) -0.34 (10) 0.19 (13) -0.11 (46) -0.03 (10) 0.11 (16) -0.01 (25) -0.10 (24) | J.2.4 mode -0.12 (36) -0.22 (63) -0.5 (24) -0.5 (24) -0.6 (48) -0.2 (48) -0.6 (27) 0.05 (13) 0.03 (16) -0.72 (47) -0.73 (17) -0.73 (17) -0.23 (25) -0.77 (12) -0.01 (11) 0.03 (16) -0.22 (53) -0.11 (11) -0.13 (40) -0.13 (41) -0.13 (42) -0.13 (43) -0.14 (43) -0.22 (54) -0.22 (54) | H M L H M L H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.014 - 0.010 - 0.013 - 0.010 - 0.013 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.014 - 0.0114 - 0.014 - 0.0114 - | 355.mm A07 -0.07 (25) -0.22 (56) 0.31 (22) 0.05 (24) -0.24 (56) 0.22 (23) -0.13 (9) -0.51 (23) 0.03 (6) 0.14 (8) -0.34 (22) -0.32 (25) -0.32 (25) -0.32 (25) -0.33 (12) -0.33 (12) -0.32 (46) -0.12 (27) -0.33 (20) -0.33 (20) -0 | 532-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.016 (26) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.48 (12) 0.048 (12) 0.05 (15) 0.05 (15) 0.06 (15) 0.06 (15) 0.06 (15) 0.06 (15) 0.06 (15) 0.06 (15) 0.05 (25) 0.05 (2 | 355.mm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) 0.44 (23) -0.07 (8) 0.24 (8) -0.34 (23) -0.07 (8) 0.24 (8) -0.34 (23) -0.07 (10) 0.25 (19) -0.25 (19) -0.26 (56) -0.16 (28) -0.40 (12) -0.35 (19) -0.22 (46) 0.35 (19) -0.22 (46) 0.35 (19) -0.22 (46) -0.35 (19) -0.22 (46) -0.35 (19) -0.22 (46) -0.35 (19) -0.22 (46) -0.36 (29) -0.22 (46) -0.36 (29) -0.22 (46) -0.36 (29) -0.22 (46) -0.36 (29) -0.21 (27) -0.21 (27) -0.21 (27) -0.29 (27) -0.29 (27) -0.29 (27) -0.21 (27) -0.21 (27) -0.29 (27) -0.29 (27) -0.29 (27) -0.21 (2 | 52-m Ex 52-m Ex -0.11 (27) -0.23 (60) -0.21 (25) 0.04 (26) -0.25 (60) -0.17 (26) -0.08 (9) -0.47 (12) -0.42 (11) 0.28 (8) -0.35 (23) -0.42 (11) 0.28 (8) -0.35 (23) -0.42 (12) 0.12 (26) -0.68 (12) -0.11 (28) -0.11 (| 355.mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) 0.30 (6) 0.31 (6) -0.31 (6) -0.31 (8) -0.34 (10) -0.26 (22) -0.27 (26) -0.32 (62) -0.32 (52) -0.32 (52) | 52-m 85c 53-m 85c -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.10 (29) -0.11 (29) -0.01 (29) -0.21 (11) 0.49 (8) -0.21 (11) 0.49 (8) -0.21 (11) 0.49 (8) -0.21 (12) 0.09 (29) -0.21 (12) 0.09 (29) -0.20 (24) -0.13 (28) -0.13 (28) -0.13 (28) -0.23 (21) -0.23 (20) -0.22 (60) -0.22 (62) 0.21 (13) -0.22 (62) -0.22 (63) -0.22 (| H M L H M L H M L H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.013 |
| 0-hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR T _d 925 hPa T _d 1 km | 355.m A0T -0.4(31) -0.22(33) -0.29(19) -0.18(40) -0.22(22) -0.04(13) -0.22(22) -0.04(13) -0.22(22) -0.07(12) -0.07(12) -0.05(7) -0.32(23) -0.07(10) -0.05(10) -0.01(10) -0.09(16) -0.01(10) -0 | 532-mm AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.11 (13) -0.14 (15) -0.22 (15) -0.24 (24) -0.48 (12) -0.48 (12) -0.05 (15) -0.10 (58) 0.07 (39) 0.03 (16) -0.22 (10) 0.03 (16) -0.22 (10) -0.32 (19) -0.16 (44) 0.22 (29) -0.16 (44) 0.22 (29) -0.12 (26) -0.11 (41) -0.14 (45) -0.25 (27) -0.25 (27) -0.35 (51) | 355-min Ext -0.10 (31) -0.22 (53) -0.24 (40) -0.20 (41) -0.24 (40) -0.20 (41) -0.24 (15) -0.24 | 52-m Ext -0.08 (33) -0.23 (57) -0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.17 (25) -0.01 (13) -0.20 (15) -0.74 (15) -0.74 (15) -0.34 (24) -0.63 (12) -0.02 (15) -0.15 (16) -0.03 (17) -0.21 (44) -0.03 (17) -0.21 (44) -0.03 (17) -0.21 (44) -0.03 (17) -0.21 (44) -0.21 (42) -0.21 (4 | 355.mm 85c -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.11 (46) -0.02 (24) 0.15 (13) 0.11 (16) -0.02 (24) 0.15 (13) 0.11 (16) -0.06 (24) -0.16 (59) -0.11 (16) -0.50 (14) 0.01 (11) 0.08 (28) -0.10 (24) -0.10 (24) -0.11 (51) -0.10 (24) -0.11 (51) -0.11 (51) | 532-m Bsc -0.12 (36) -0.21 (36) -0.21 (36) -0.05 (24) -0.05 (24) -0.05 (24) -0.05 (27) -0.05 (27) -0.73 (15) -0.77 (12) -0.77 (12) -0.77 (12) -0.21 (34) -0.22 (53) -0.31 (40) -0.22 (53) -0.31 (40) -0.22 (52) -0.31 (41) -0.22 (52) -0.31 (41) -0.31 (42) -0.31 (| H M L H M L H M L H M L H M L H M L H M L H M | O 010 O | 355.mm A07 -0.07 (25) -0.22 (26) 0.31 (22) 0.05 (24) -0.24 (26) 0.22 (23) -0.13 (9) -0.25 (23) -0.13 (9) -0.25 (23) -0.33 (2) -0.72 (10) -0.24 (56) -0.34 (22) -0.34 (22) -0.32 (27) -0.33 (23) -0.03 (34) -0.03 (32) -0.03 (32) -0.12 (32) | 532-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.016 (26) -0.10 (9) 0.04 (23) 0.12 (21) -0.36 (8) -0.26 (23) -0.46 (22) -0.26 (23) -0.26 (23) -0.26 (23) -0.28 (22) -0.24 (22) -0.24 (22) -0.24 (22) -0.33 (9) -0.33 (9) -0.16 (51) -0.16 (51) -0.26 (22) -0.25 (27) -0.25 (27) -0.25 (27) -0.00 (57) | 355-mm Ext -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.07 (8) 0.24 (86) 0.34 (23) -0.07 (8) 0.24 (8) -0.34 (22) -0.77 (10) 0.25 (19) -0.26 (56) -0.16 (28) -0.40 (12) -0.35 (19) -0.22 (46) 0.13 (28) -0.11 (49) 0.21 (27) -0.29 (23) -0.04 (54) | 52-m Ex 53-m Ex -0.11 (27) -0.23 (60) -0.21 (25) 0.04 (26) -0.25 (60) -0.71 (26) -0.08 (9) -0.47 (23) -0.47 (23) -0.47 (23) -0.47 (23) -0.28 (50) -0.28 (50) -0.12 (26) -0.28 (58) -0.11 (28) -0.41 (12) -0.23 (51) -0.23 (51) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (30) -0.20 (52) -0.28 (27) -0.28 (27) -0.06 (57) -0.06 (57) -0 | 355.mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.07 (26) -0.07 (26) -0.07 (26) -0.07 (24) -0.03 (8) -0.04 (24) -0.03 (8) -0.04 (10) -0.05 (22) -0.23 (62) -0.24 (22) -0.25 (19) -0.18 (55) -0.02 (29) -0.06 (27) -0.06 (27) -0.18 (55) -0.02 (29) -0.06 (27) -0.06 (27) -0.06 (27) -0.06 (27) -0.07 (28) -0.07 (28) -0.06 (27) -0.06 (27) -0.06 (27) -0.07 (28) -0.06 (27) -0.06 (27) -0.07 (28) -0.06 (27) -0.06 (27) -0.07 (28) -0.07 (28) -0.06 (27) -0.06 (27) -0.07 (28) -0.06 (27) -0.07 (28) -0.06 (27) -0.06 (27) -0.07 (28) -0.06 (27) -0.07 (28) -0.06 (27) -0.07 (28) -0.06 (27) -0.07 (28) -0.06 (27) -0.06 (28) -0.06 (2 | -0.17 (29) -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.11 (29) -0.11 (29) -0.11 (29) -0.11 (29) -0.21 (21) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.27 (24) -0.34 (22) -0.34 (22) -0.04 (12) -0.34 (22) -0.04 (31) -0.15 (30) -0.15 (30) -0.15 (20) -0.15 (20) -0.22 (22) -0.22 (22) -0.10 (61) | H M L H M L H M L H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 - 0.013 |
| 700-hPa w CAPE LCLAIt Kindex 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355.m AOT -0.04 (31) -0.22 (39) -0.29 (19) -0.28 (40) -0.22 (41) -0.22 (41) -0.22 (41) -0.22 (41) -0.23 (15) -0.70 (15) -0.70 (15) -0.72 (10) -0.56 (7) -0.32 (23) -0.72 (10) -0.03 (10) -0.04 (13) -0.04 (13) -0.16 (37) -0.16 (37) -0.16 (37) -0.16 (37) -0.16 (37) -0.16 (37) -0.16 (37) -0.33 (23) -0.06 (32) -0.03 (23) -0.06 (32) -0.05 (3 | 532-m AOT 0.06 (33) -0.20 (57) 0.17 (22) -0.05 (44) -0.20 (43) 0.15 (25) -0.01 (13) -0.14 (15) -0.52 (15) -0.24 (24) -0.48 (12) -0.05 (15) -0.03 (16) -0.7 (39) 0.03 (16) -0.56 (17) -0.22 (10) 0.03 (29) -0.11 (44) 0.20 (39) -0.12 (26) -0.11 (44) 0.20 (39) -0.12 (26) -0.11 (45) -0.25 (27) -0.03 (51) -0.33 (51) 0.13 (34) | 355-min Ext -0.10 (31) -0.22 (53) -0.35 (19) -0.24 (40) -0.20 (41) -0.20 (41) -0.24 (15) -0.76 (12) -0.76 (12) -0.76 (12) -0.72 (17) -0.32 (23) -0.77 (10) -0.12 (54) -0.12 (54) -0.12 (54) -0.22 (10) -0.12 (54) -0.22 (10) -0.12 (54) -0.22 (10) -0.12 (54) -0.22 (10) -0.12 (54) -0.22 (10) -0.12 (54) -0.22 (10) -0.13 (35) -0.33 (12) -0.33 | 52-m Ext -0.08 (33) -0.23 (57) -0.19 (22) -0.21 (44) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (43) -0.21 (15) -0.24 (15) -0.24 (15) -0.24 (15) -0.24 (15) -0.25 (15) -0.25 (15) -0.25 (15) -0.21 (10) -0.22 (10) -0.22 (10) -0.22 (10) -0.26 (27) -0.26 (27) -0.97 (34) -0.70 (3 | -0.06 (34) -0.08 (34) -0.11 (59) -0.00 (21) -0.10 (44) -0.14 (46) -0.02 (24) -0.15 (13) -0.11 (16) -0.21 (24) -0.24 (17) -0.06 (24) -0.24 (10) -0.16 (59) -0.11 (40) -0.11 (16) -0.05 (144) -0.01 (111) -0.05 (144) -0.01 (111) -0.05 (144) -0.01 (111) -0.01 (24) -0.01 (25) -0.11 (25) -0.12 (36) | J.J.: Hind Sa 5.32-min BSc -0.12 (36) -0.21 (36) -0.21 (36) -0.21 (36) -0.21 (36) -0.21 (36) -0.21 (36) -0.21 (37) -0.21 (37) -0.22 (48) -0.22 (48) -0.23 (25) -0.73 (15) -0.74 (27) -0.21 (31) -0.22 (53) -0.31 (40) -0.35 (16) -0.42 (52) -0.11 (11) -0.32 (25) -0.13 (40) -0.22 (52) -0.13 (41) -0.42 (52) -0.14 (43) -0.22 (54) -0.22 (54) -0.22 (54) -0.22 (54) -0.23 (54) | H M L H M L H M L H M L H M L H M L H M L H M L | Control (1) Contro Control (1) Control (1) Control (1) Control (1) | 355.mm A07 -0.07 (25) -0.22 (26) 0.31 (22) 0.05 (24) -0.24 (26) 0.22 (23) -0.13 (9) -0.51 (23) -0.33 (8) -0.34 (22) -0.72 (10) 0.22 (13) -0.34 (22) -0.72 (10) 0.22 (13) -0.34 (22) -0.72 (10) 0.24 (56) -0.18 (28) -0.31 (19) -0.31 (29) -0.31 (27) -0.31 (27) -0.31 (27) -0.31 (27) -0.31 (27) -0.33 (23) -0.33 (23) -0.33 (23) -0.33 (23) -0.33 (54) -0.30 (54) -0.31 (27) -0.33 (23) -0.33 (54) -0.30 (54) -0.30 (54) -0.30 (54) -0.31 (55) -0.31 (55) -0 | 522-m AOT 0.03 (27) -0.18 (60) 0.18 (25) 0.11 (26) -0.21 (60) 0.16 (25) -0.10 (9) -0.40 (23) 0.12 (11) 0.36 (8) -0.26 (23) -0.46 (22) -0.36 (8) -0.26 (23) -0.46 (22) -0.33 (9) 0.03 (28) -0.24 (22) -0.33 (9) 0.03 (31) -0.16 (51) 0.15 (30) -0.03 (57) -0.03 (57) -0.05 (57) -0.51 (28) -0.55 (28 | 355-mit Ek -0.09 (25) -0.23 (56) 0.36 (22) 0.01 (24) -0.24 (56) 0.27 (23) -0.09 (9) -0.48 (23) -0.07 (8) -0.24 (8) -0.34 (22) -0.77 (10) 0.24 (8) -0.34 (22) -0.77 (10) -0.26 (56) -0.16 (28) -0.35 (19) -0.42 (9) 0.05 (29) -0.22 (46) 0.13 (28) -0.17 (49) -0.17 (49) -0.21 (27) -0.29 (23) -0.49 (54) -0.99 (26) -0.99 | 52-m Ext -0.11 (27) -0.23 (60) 0.21 (25) 0.04 (26) -0.25 (60) 0.17 (26) -0.08 (9) -0.47 (73) -0.42 (11) 0.28 (60) -0.42 (11) -0.28 (23) -0.42 (11) -0.26 (58) -0.11 (28) -0.33 (22) -0.43 (9) 0.02 (31) -0.23 (51) 0.11 (30) -0.26 (57) -0.16 (57) -0.07 (28) -0.07 (28) -0.0 | 355.mm 85c -0.03 (27) -0.10 (62) -0.06 (25) -0.05 (27) -0.10 (61) -0.07 (26) -0.10 (24) -0.01 (24) -0.06 (23) -0.31 (8) -0.06 (23) -0.33 (8) -0.06 (23) -0.34 (8) -0.07 (12) -0.25 (19) -0.25 (19) -0.15 (10) -0.07 (28) -0.07 (28) -0.07 (28) -0.07 (28) -0.07 (28) -0.07 (28) -0.07 (28) -0.07 (28) -0.07 (28) -0.07 (29) -0.15 (10) -0.07 (29) -0.06 (29) -0.08 (57) -0.08 (57) -0.08 (57) -0.018 (57) -0.0 | 52-m BSC 53-m BSC -0.17 (29) -0.18 (66) -0.09 (28) -0.10 (29) -0.19 (59) -0.11 (29) -0.27 (24) -0.27 (25) -0.27 (25) | H M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 OUNTRY - 0.040 OUNTRY - 0.040 OUNTRY - 0.040 OUNTRY - 0.013 - 0.013 |

Figure S5: As in Fig. S1 but using AMPR 85.5-GHz PCT as the convective parameter.

| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm A | DT 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | |
|---|--|--|---|--|--|--|---|--|--|---|---|--|--|--|---|---|--|
| F | 0.32 (23) | 0.31 (25) | 0.19 (23) | 0.27 (25) | -0.23 (27) | -0.13 (29) | н | | e 0.39 (28 | 0.33 (30) | 0.32 (28) | 0.36 (30) | -0.20 (33) | -0.10 (35) | н | | |
| 1 kr | 0.17 (45) | 0.23 (46) | 0.15 (45) | 0.19 (46) | -0.13 (53) | -0.18 (54) | м | - 0.010 | -0.03 (27 | 0.04 (28) | -0.06 (27) | -0.02 (28) | -0.13 (31) | -0.23 (32) | м | | 0.010 |
| T | 0.29 (8) | 0.49 (9) | 0.44 (8) | 0.51 (9) | 0.60 (9) | 0.68 (10) | L | | 0.36 (21 | 0.43 (22) | 0.36 (21) | 0.40 (22) | -0.14 (25) | -0.11 (26) | L | | |
| Pa | 0.44 (35) | 0.39 (38) | 0.30 (35) | 0.38 (38) | -0.27 (41) | -0.21 (44) | н | | a 0.28 (25 | 0.29 (28) | 0.14 (25) | 0.23 (28) | -0.21 (30) | -0.14 (33) | н | | |
| 125 h | 0.13 (28) | 0.17 (28) | 0.12 (28) | 0.14 (28) | -0.05 (34) | -0.12 (34) | м | - 0.013 | 0.49 (25 | 0.47 (25) | 0.49 (25) | 0.53 (25) | -0.02 (30) | -0.06 (30) | M | | 0.013 |
| T _d | 0.33 (13) | 0.40 (14) | 0.42 (13) | 0.44 (14) | 0.41 (14) | 0.44 (15) | L | | -0.00 (26 |) 0.09 (27) | -0.01 (26) | 0.03 (27) | -0.24 (29) | -0.22 (30) | L | | |
| Ч | 0.09 (9) | 0.07 (9) | 0.18 (9) | 0.21 (9) | 0.18 (11) | 0.07 (11) | н | | 5 -0.05 (10 |) -0.11 (10) | 0.07 (10) | 0.09 (10) | 0.20 (12) | 0.02 (12) | н | | |
| 500 | 0.51 (11) | 0.45 (11) | 0.48 (11) | 0.46 (11) | 0.42 (11) | 0.34 (11) | м | - 0.020 | 0.85 (8 | 0.82 (8) | 0.82 (8) | 0.81 (8) | 0.62 (8) | 0.59 (8) | M | | 0.020 |
| 700- | 0.32 (10) | 0.14 (11) | 0.44 (10) | 0.12 (11) | 0.34 (10) | 0.01 (11) | L | t | 0.32 (12 | 0.27 (13) | 0.29 (12) | 0.21 (13) | 0.34 (12) | 0.20 (13) | L | | t |
| e, | 1.00 (3) | 1.00 (3) | -1.00 (3) | | 0.37 (5) | 0.11 (5) | н | fficie | g 0.22 (7) | 0.13 (7) | 0.29 (7) | 0.29 (7) | 0.45 (9) | 0.20 (9) | н | | fficie |
| 2001 | 0.37 (21) | 0.33 (22) | 0.38 (21) | 0.35 (22) | 0.39 (21) | 0.30 (22) | м | - 0.040 0 | 0.40 (12 | 0.33 (13) | 0.43 (12) | 0.38 (13) | 0.37 (12) | 0.36 (13) | M | - | 0.040 0 |
| 350-5 | 0.02 (6) | 0.06 (6) | -0.10 (6) | -0.31 (6) | 0.31 (6) | -0.54 (6) | L | ion | 0.51 (11 | 0.51 (11) | 0.48 (11) | 0.32 (11) | 0.39(11) | 0.11 (11) | L | | ion |
| 8 | 0.10 (3) | 0.25 (3) | 0.08 (3) | 0.19 (3) | 0.10 (4) | 0.13 (4) | н | relat | ··· 0.34 (22 | 0.34 (26) | 0.32 (22) | 0.32 (26) | 0.20 (24) | 0.30 (28) | н | | relat |
| 100 | 0.09 (40) | 0.14 (44) | 0.09 (40) | 0.12 (44) | -0.08 (43) | -0.06 (47) | м | - inf O | 0.03 (28 | 0.08 (28) | 0.04 (28) | 0.06 (28) | -0.13 (31) | -0.16(31) | M | | inf 0 |
| 50-7 | 0.53 (33) | 0.50 (33) | 0.43 (33) | 0.53 (33) | -0.30 (41) | -0.29 (41) | 1 | 20 Los | 0.53 (26 | 0.52 (26) | 0.41 (26) | 0.58 (26) | -0.38 (33) | -0.39 (33) | 1 | | son |
| w | 0.35(14) | 0.17 (15) | 0.38(14) | 0.27 (15) | 0.52 (14) | 0.36(15) | н | Pear | 0.35 (12 | 0.22 (12) | 0.38(12) | 0.29(12) | 0.56(12) | 0.31(12) | н | | Pear |
| xepu | 0.40 (9) | 0.36 (9) | 0.47 (9) | 0.46 (9) | 0.55 (10) | 0.55 (10) | M | - 0.040 E | 0.33 (12 | 0.30 (11) | 0.38 (10) | 0.30 (11) | 0.47 (10) | 0.34 (11) | M | | 0.040 E |
| ri-k | 0.00(7) | -0.03(7) | -0.02 (7) | -0.02 (7) | -0.43 (8) | -0.41 (8) | 1 | e 0.040 j | - 0 30 (8) | 0.28 (8) | 0.31 (8) | 0.32 (8) | 0.15 (10) | 0.03 (10) | 1 | | 0.040 E |
| | 0.36 (14) | 0.38 (14) | 0.31 (14) | 0.32 (14) | 0.14 (16) | 0.34 (16) | | valt | 0.02 (29 | 0.15 (20) | 0.04 (20) | 0.04 (29) | 0.24 (22) | 0.37 (22) | 5 | | valu |
| - Alt | 0.21 (25) | -0.38 (14) | -0.31 (14) | 0.33 (14) | -0.14 (10) | -0.34 (10) | M | <u>6</u> | T 0.02 (25 | 0.13 (23) | 0.18 (19) | 0.04 (23) | 0.34 (32) | 0.30 (35) | M | | <u>6</u> |
| LCI | 0.48 (33) | 0.36 (39) | 0.46 (27) | 0.42 (37) | -0.20 (40) | -0.10 (42) | 1 | - 0.020 | 0.10 (19 | 0.22 (21) | 0.16 (19) | 0.23 (21) | 0.10 (24) | 0.12 (26) | 1 | | 0.020 |
| | 0.48 (27) | 0.30 (29) | 0.46 (27) | 0.48 (29) | -0.09 (33) | -0.13 (33) | | | 0.30 (20 | 0.38 (30) | 0.46 (28) | 0.48 (30) | -0.10 (34) | -0.12 (36) | 5 | | |
| Be | 0.39 (14) | 0.31 (10) | 0.41 (14) | 0.38 (10) | 0.31 (10) | 0.42 (18) | | | 0.30 (20 | 0.42 (31) | 0.30 (28) | 0.37 (31) | -0.23 (32) | -0.14 (33) | | | |
| 2 | 0.17 (28) | 0.30 (29) | 0.06 (28) | 0.13 (29) | -0.35 (30) | -0.34 (31) | Ivi | - 0.013 | 0 27 (22 | 0.03 (23) | -0.18 (23) | -0.14 (23) | -0.35 (20) | -0.55 (20) | IVI | | 0.013 |
| | 0.21 (34) | 0.21 (35) | 0.32 (34) | 0.30 (35) | 0.35 (43) | 0.26 (44) | L. | | 0.37 (23 | 0.37 (24) | 0.50 (23) | 0.50 (24) | 0.56 (31) | 0.53 (32) | L. | | |
| Pa w | 0.32 (9) | 0.45 (10) | 0.29 (9) | 0.42 (10) | -0.39 (11) | -0.31 (12) | н. | | S 0.31 (20 | 0.34 (22) | 0.32 (20) | 0.37 (22) | -0.15 (27) | -0.06 (29) | | | |
| 4-00 | 0.03 (41) | 0.08 (43) | 0.02 (41) | 0.05 (43) | -0.17 (50) | -0.13 (52) | MI . | - 0.010 | 4 0.02 (26 | 0.08 (27) | -0.01 (26) | 0.01 (27) | -0.22 (30) | -0.20 (31) | M | | 0.010 |
| - | 0.43 (26) | 0.46 (27) | 0.32 (26) | 0.41 (27) | -0.21 (27) | -0.19 (28) | L | • | ~ 0.34 (30 | 0.40 (31) | 0.23 (30) | 0.33 (31) | -0.22 (31) | -0.21 (32) | L | | |
| | 222-1111 201 | JJZ-1111 AQ1 | 1 1 1-1 11 1 1 1 | 1 1 / - 1 11 1 1 A 1 | 1 1 1-1 11 11 11 31 | JJJ2-11111 DJC | | | 222-1111/20 | J JJ2-1111 AO1 | JJJ-IIII LAC | JJZ-IIII LAU | JJJJ-IIIII DSC | JJ2-1111 DSC | | | |
| | | | | | | | | | | | | | | | | | |
| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm A | OT 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 1 | | |
| km | 355-nm AOT 0.32 (24) | 532-nm AOT 0.31 (26) | 355-nm Ext 0.18 (24) | 532-nm Ext 0.27 (26) | 355-nm Bsc -0.23 (29) | 532-nm Bsc -0.14 (31) | н | A -0.010 | 355-nm A | 0.11 (22) | 355-nm Ext 0.10 (20) | 532-nm Ext 0.10 (22) | 355-nm Bsc 0.02 (24) | 532-nm Bsc 0.21 (26) | н | | 0.010 |
| T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) | 532-nm AOT 0.31 (26) 0.15 (38) | 355-nm Ext 0.18 (24) 0.13 (37) | 532-nm Ext 0.27 (26) 0.14 (38) | 355-nm Bsc -0.23 (29) -0.03 (44) | 532-nm Bsc -0.14 (31) -0.10 (45) | H M | 0.010 | 355-nm A 0.13 (20 0.15 (39 | 0T 532-nm AOT 0.11 (22) 0.22 (40) | 355-nm Ext 0.10 (20) 0.14 (39) | 532-nm Ext 0.10 (22) 0.19 (40) | 355-nm Bsc 0.02 (24) -0.16 (47) | 532-nm Bsc 0.21 (26) -0.20 (48) | н м | | 0.010 |
| T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) | 355-nm Ext 0.18 (24) 0.13 (37) 0.41 (15) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) | 355-nm Bsc -0.23 (29) -0.03 (44) -0.31 (16) | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) | H M L | 0.010 | 355-nm A 0.13 (20 0.15 (39 0.44 (17 | 0.11 (22) 0.22 (40) 0.48 (18) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) | H M L | | 0.010 |
| shPa T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.43 (30) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) | 355-nm Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) | 355-nm Bsc -0.23 (29) -0.03 (44) -0.31 (16) -0.28 (36) | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) | H M L H | 0.010 | 355-nm A 0.13 (20 0.15 (39 0.44 (17 0.41 (17 | 532-nm AOT 0.11 (22) 0.22 (40) 0.48 (18) 0.34 (19) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) | H M L H | | 0.010 |
| s 925 hPa T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.43 (30) 0.07 (30) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) 0.05 (30) | 355-nm Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) 0.08 (30) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) | 355-nm Bsc -0.23 (29) -0.03 (44) -0.31 (16) -0.28 (36) 0.16 (36) | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) | H M L H M | - 0.010 | 355-nm A 0.13 (20 0.15 (39 0.44 (17 0.41 (17 0.10 (41 | DT 532-nm AOT 0.11 (22) 0.22 (40) 0.48 (18) 0.34 (19) 0.13 (42) 0.34 (20) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.10 (41) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.11 (49) | H M L H | | 0.010 |
| T _d 925 hPa T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.43 (30) 0.07 (30) 0.52 (16) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) 0.05 (30) 0.53 (17) | 355-nm Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) 0.08 (30) 0.45 (16) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) 0.55 (17) | 355-nm Bsc -0.23 (29) -0.03 (44) -0.31 (16) -0.28 (36) 0.16 (36) -0.28 (17) | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) -0.23 (18) | H L H L | - 0.010 | 355-nm A 0.13 (20 0.15 (39 0.44 (17 2 0.41 (17 2 0.41 (17 2 0.49 (18 | DT 532-nm AOT 0.11 (22) 0.22 (40) 0.48 (18) 0.34 (19) 0.13 (42) 0.51 (19) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.10 (41) 0.40 (18) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.48 (19) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.11 (49) -0.22 (20) | H M H M L | | 0.010 |
| 00 LR Td 925 hPa Td 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.43 (30) 0.07 (30) 0.52 (16) -0.05 (10) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) 0.05 (30) 0.53 (17) -0.11 (10) | 355-nm Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) 0.08 (30) 0.45 (16) 0.07 (10) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) 0.55 (17) 0.09 (10) | 355-nm Bsc -0.23 (29) -0.03 (44) -0.31 (16) -0.28 (36) 0.16 (36) -0.28 (17) 0.20 (12) | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) -0.23 (18) 0.02 (12) | H M L H M L H | - 0.010 | 355-nm A (1) 355-nm A 0.13 (20 0.15 (39 0.44 (17 eg 0.41 (17 0.10 (41 0.10 (41 0.49 (18 0.29 (8) 0.29 (8) | DT 532-nm AOT 0.11 (22) 0.22 (40) 0.22 (40) 0.48 (18) 0 0.48 (19) 0 0.34 (19) 0 0.13 (42) 0 0.51 (19) 0.27 (8) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.10 (41) 0.40 (18) 0.36 (8) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.48 (19) 0.38 (8) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) 0.32 (10) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.11 (49) -0.22 (20) 0.33 (10) | H L H L H | | 0.010 |
| 10-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.43 (30) 0.07 (30) 0.52 (16) -0.05 (10) 0.85 (8) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) 0.05 (30) 0.53 (17) -0.11 (10) 0.82 (8) | 355-nm Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) 0.08 (30) 0.45 (16) 0.07 (10) 0.82 (8) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) 0.55 (17) 0.09 (10) 0.81 (8) | 355-nm Bsc -0.23 (29) -0.03 (44) -0.31 (16) -0.28 (36) 0.16 (36) -0.28 (17) 0.20 (12) 0.62 (8) | 532-nm 8sc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) -0.23 (18) 0.02 (12) 0.59 (8) | H M L H M L H M | - 0.010 - 0.013 - 0.020 | 355-nm A u (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | DT 532-nm AOT 0.11 (22) 0.22 (40) 0 0.22 (40) 0 0.48 (18) 0 0.48 (18) 0 0.34 (19) 0 0.13 (42) 0 0.51 (19) 0.27 (8) 0.20 (14) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.10 (41) 0.40 (18) 0.36 (8) 0.33 (14) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.48 (19) 0.38 (8) 0.29 (14) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) 0.32 (10) 0.36 (14) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.11 (49) -0.22 (20) 0.33 (10) 0.12 (14) | H M L H M L H M | | 0.010 0.013 0.020 |
| 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.43 (30) 0.07 (30) 0.52 (16) -0.05 (10) 0.85 (8) 0.32 (12) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) 0.05 (30) 0.53 (17) -0.11 (10) 0.82 (8) 0.27 (13) | 355-nm Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) 0.08 (30) 0.45 (16) 0.07 (10) 0.82 (8) 0.29 (12) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) 0.55 (17) 0.09 (10) 0.81 (8) 0.21 (13) | 355-nm Bsc -0.23 (29) -0.03 (44) -0.31 (16) -0.28 (36) -0.28 (17) 0.20 (12) 0.62 (8) 0.34 (12) | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) -0.23 (18) 0.02 (12) 0.59 (8) 0.20 (13) | HMLHMLH | - 0.010 - 0.013 - 0.020 | 355-m A 0.13 (20 0.13 (20 0.13 (21 0.14 (17 0.44 (17 0.44 (17 0.44 (17 0.49 (18 0.29 (8) 0.30 (14 0.30 (14 0.30 (14 0.30 (14 | DT 532-nm AOT 0.11 (22) 0.22 (40) 0.22 (40) 0.48 (18) 0.34 (19) 0.31 (42) 0.51 (19) 0.27 (8) 0.20 (14) 0.27 (9) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.10 (41) 0.40 (18) 0.36 (8) 0.33 (14) 0.53 (8) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.48 (19) 0.38 (8) 0.29 (14) 0.54 (9) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) 0.32 (10) 0.36 (14) -0.07 (8) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.11 (49) -0.22 (20) 0.33 (10) 0.12 (14) -0.23 (9) | H M L H M L H M L | | 0.010 0.013 0.020 |
| 0 LR 700-500 LR T _d 925 hPa T _d 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.43 (30) 0.52 (16) 0.52 (16) 0.52 (10) 0.32 (12) 0.12 (5) | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) 0.05 (30) 0.53 (17) -0.11 (10) 0.82 (8) 0.27 (13) -0.85 (5) | 355-m Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) 0.08 (30) 0.45 (16) 0.07 (10) 0.82 (8) 0.29 (12) 0.62 (5) | 532-nm Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) 0.55 (17) 0.09 (10) 0.81 (8) 0.21 (13) 0.46 (5) | 355-m Bsc -0.23 (29) -0.03 (44) -0.31 (16) -0.28 (36) -0.28 (17) -0.20 (12) 0.62 (8) 0.34 (12) 0.57 (7) | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) -0.23 (18) 0.02 (12) 0.59 (8) 0.20 (13) 0.31 (7) | HMLHMLH | - 0.010 - 0.013 - 0.020 | 355-mA 0.13 (20 0.13 (20 0.13 (20 0.13 (21 0.14 (17 0.44 (17 0.44 (17 0.49 (18 0.29 (8) 0.30 (14 0.30 (14) (15) (15) (15) (15) (15) (15) (15) (15 | DT 532-nm AOT 0.21 (22) 0.22 (40) 0.48 (18) 0.34 (19) 0.33 (19) 0.31 (42) 0.51 (19) 0.27 (8) 0.20 (14) 0.27 (9) -0.64 (6) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.10 (41) 0.40 (18) 0.36 (8) 0.33 (14) 0.53 (8) -0.37 (6) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.48 (19) 0.38 (8) 0.29 (14) 0.54 (9) -0.38 (6) | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) 0.32 (10) 0.36 (14) -0.07 (8) 0.22 (8) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.11 (49) -0.22 (20) 0.33 (10) 0.12 (14) -0.23 (9) -0.26 (8) | H M L H M L H M L H | | 0.010 0.013 0.020 |
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| w CAPE LCL Alt Kindex 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 0.32 (24) 0.12 (27) 0.49 (15) 0.49 (15) 0.52 (16) 0.52 (16) 0.52 (16) 0.52 (16) 0.32 (12) 0.32 (12) 0.32 (12) 0.32 (12) 0.33 (19) 0.36 (19) 0.35 (14) 0.35 (14) 0.35 (14) 0.30 (19) 0.35 (12) 0.35 | 532-nm AOT 0.31 (26) 0.15 (38) 0.55 (16) 0.39 (33) 0.05 (30) 0.53 (17) -0.11 (10) 0.32 (8) 0.27 (13) -0.85 (5) 0.43 (17) 0.33 (9) 0.22 (14) 0.32 (9) 0.28 (6) -0.28 (7) -0.28 (7) -0 | 355-mit Ext 0.18 (24) 0.13 (24) 0.13 (27) 0.29 (30) 0.06 (30) 0.07 (10) 0.29 (12) 0.29 (12) 0.29 (12) 0.29 (12) 0.29 (12) 0.29 (12) 0.29 (12) 0.29 (12) 0.42 (9) 0.32 (7) 0.8 (40) 0.43 (23) 0.33 (18) 0.29 (8) 0.33 (18) 0.62 (5) 0.45 (25) 0.45 (25) 0.4 | 532-mb Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.36 (33) 0.07 (30) 0.55 (17) 0.09 (10) 0.31 (48) 0.21 (13) 0.46 (5) 0.21 (13) 0.46 (5) 0.21 (13) 0.22 (19) 0.22 (29) 0.22 (29) 0.22 (29) 0.23 (29) 0.23 (29) 0.28 (14) 0.29 (9) 0.28 (14) 0.29 (9) 0.28 (14) 0.29 (9) 0.28 (14) 0.29 (9) 0.28 (14) 0.29 (19) 0.28 (13) 0.48 (30) 0.48 (30) 0.42 (20) 0.33 (27) 0.35 (33) 0.34 (16) | 355.mm 852 -0.22 (29) -0.33 (16) -0.28 (36) -0.28 (36) -0.28 (36) -0.28 (37) -0.28 (17) -0.28 (13) -0.28 (13) -0.28 (13) -0.28 (13) -0.28 (13) -0.28 (13) -0.28 (13) -0.28 (13) -0.28 (13) -0.33 (14) -0.33 (14) -0.16 (21) -0.33 (12) -0.33 | 332-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) -0.21 (39) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.02 (12) 0.03 (10) -0.37 (12) -0.04 (36) -0.12 (23) -0.22 (28) 0.02 (12) -0.22 (28) 0.02 (12) -0.22 (28) -0.22 (2 | H M L H M L H M L H M L H M L H M L H M L H M L H | - 0.010 - 0.013 - 0.020 - 0.040 00 00 00 00 00 00 00 00 00 00 00 00 | 355-mm A 355-mm A 0.13 (20 m) 0.44 (10 m) 0.30 (14 m) 0.30 (12 m) 0.31 (13 m) 0.32 (13 m) 0.34 (20 m) 10 m) | S32-nm AOT 0.11 (22) 0.22 (40) 0.23 (41) 0.34 (19) 0.34 (19) 0.34 (19) 0.34 (19) 0.34 (19) 0.34 (19) 0.27 (8) 0.20 (14) 0.27 (8) 0.20 (14) 0.27 (9) -0.64 (6) 0.30 (9) 0.48 (16) 0.34 (14) 0.44 (19) 0.44 (19) 0.44 (19) 0.43 (14) -0.33 (7) 0.41 (23) 0.41 (23) 0.41 (23) 0.31 (20) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.10 (41) 0.40 (18) 0.36 (8) 0.33 (14) 0.53 (8) 0.53 (8) 0.53 (8) 0.53 (14) 0.53 (15) 0.53 (15) 0.42 (9) 0.38 (13) 0.04 (44) 0.48 (19) 0.53 (10) 0.31 (13) -0.23 (21) 0.24 (34) 0.47 (21) 0.40 (25) 0.42 (20) 0.42 (20) 0.53 (10) 0.53 (10) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.38 (6) 0.29 (14) 0.38 (6) 0.48 (19) 0.38 (6) 0.47 (15) 0.36 (9) 0.35 (17) 0.9 (44) 0.35 (17) 0.9 (44) 0.55 (19) 0.43 (10) 0.30 (14) -0.55 (23) 0.43 (10) 0.30 (14) -0.55 (23) 0.43 (10) 0.30 (14) -0.55 (23) 0.43 (10) 0.30 (14) -0.27 (12) 0.43 (12) 0.55 (23) 0.43 (12) 0.55 (23) 0.43 (12) 0.55 (23) 0.43 (12) 0.55 (23) 0.43 (12) 0.55 (23) 0.43 (12) 0.55 (23) 0.55 (23) 0.43 (12) 0.55 (23) 0.55 (23) 0 | 355-nm Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) 0.32 (10) 0.32 (10) 0.32 (10) 0.32 (10) 0.32 (10) 0.07 (10) 0.02 (18) -0.07 (18) -0.27 (19) 0.22 (18) -0.27 (19) 0.51 (19) 0.22 (18) -0.25 (25) -0.08 (24) -0.33 (40) 0.55 (25) -0.22 (25) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.15 (24) -0.21 (20) 0.33 (10) 0.22 (20) -0.22 (20) -0.22 (20) -0.23 (10) -0.23 (9) -0.26 (6) 0.40 (10) -0.25 (25) -0.41 (10) -0.25 (48) -0.25 (48) | H M L H M L H M L H M L H M L H M L H M L H | | 0.010 0.013 0.020 0.040 0.040 0.040 0.040 0.040 0.040 0.0013 |
| -hPa w CAPE LCLAIt K-Index 850-700 LR 850-500 LR 700-500 LR Td 925 hPa Td 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.49 (15) 0.49 (15) 0.49 (15) 0.43 (30) 0.52 (16) 0.52 (16) 0.52 (16) 0.33 (12) 0.45 (7) 0.45 (7) 0.45 (12) 0.33 (14) 0.33 (14) 0.35 (12) 0.35 (12) 0.45 (1 | 532-nm AOT 0.31 (26) 0.15 (38) 0.55 (16) 0.35 (16) 0.35 (16) 0.35 (17) 0.55 (17) 0.37 (18) 0.27 (13) 0.27 (13) 0.27 (13) 0.27 (13) 0.27 (13) 0.27 (13) 0.27 (13) 0.45 (9) 0.13 (42) 0.13 (42) 0.13 (42) 0.13 (42) 0.13 (42) 0.22 (14) 0.32 (9) 0.22 (14) 0.32 (9) 0.28 (6) 0.006 (19) 0.33 (31) 0.38 (30) 0.39 (20) 0.25 (27) 0.24 (33) 0.33 (16) 0.31 (26) 0.33 (16) 0.31 (26) 0.33 (16) 0.31 (26) 0.33 (16) 0.33 (16) 0.31 (26) 0.33 (16) 0.33 (16 | 355-mm Ext 0.18 (24) 0.13 (24) 0.13 (23) 0.29 (30) 0.04 (15) 0.29 (30) 0.45 (16) 0.45 (16) 0.45 (16) 0.45 (16) 0.29 (12) 0.42 (19) 0.42 (19) 0.42 (19) 0.43 (29) 0.43 (29) 0.43 (29) 0.43 (29) 0.43 (18) 0.29 (8) 0.33 (14) 0.29 (8) 0.33 (14) 0.29 (8) 0.33 (14) 0.29 (8) 0.33 (14) 0.29 (18) 0.33 (14) 0.29 (18) 0.36 (18) 0.3 | 532-m Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) 0.55 (17) 0.09 (10) 0.46 (5) 0.44 (17) 0.30 (9) 0.21 (13) 0.46 (5) 0.44 (17) 0.30 (9) 0.22 (9) 0.12 (42) 0.32 (8) 0.28 (14) 0.29 (9) 0.32 (8) 0.29 (9) 0.32 (8) 0.41 (30) 0.43 (30) 0.44 (30) 0.43 (30) 0.43 (33) 0.34 (16) 0.63 (35) 0.46 (15) 0.46 (15) 0.46 (15) 0.46 (15) 0.47 (15) | 355.mm 852 -0.22 (29) -0.31 (16) -0.28 (36) -0.28 (36) -0.28 (36) -0.28 (37) -0.28 (17) -0.28 (17) -0.28 (17) -0.28 (17) -0.28 (17) -0.28 (17) -0.28 (17) -0.10 (44) -0.31 (21) -0.12 (34) -0.12 | 532-nm 8c -0.14 (31) -0.10 (45) -0.26 (17) -0.21 (39) 0.05 (36) -0.23 (18) 0.20 (13) 0.20 (13) 0.20 (13) 0.20 (10) -0.21 (39) 0.20 (10) -0.21 (39) -0.21 (32) -0.21 (32) - | H M L H M L H M L H M L H M L H M L H M L H M | - 0.010 - 0.013 - 0.020 - 0.040 - 0.040 - 0.040 - 0.020 - 0.020 - 0.020 - 0.020 - 0.020 | 355-mm A 0.13 (20 0.13 (20 0.13 (20 0.13 (20 0.13 (20 0.13 (20 0.15 (39 0.44 (17 0.44 (17 0.44 (17 0.44 (17 0.44 (17 0.49 (6) 0.30 (14 0.40 (15) 0.41 (17 0.40 (16) 0.30 (14 0.40 (15) 0.41 (15) 0.41 (15) 0.41 (15) 0.45 (16) 0.45 (16) 0.45 (16) 0.45 (12) 0.45 (12) 0.45 (12) 0.45 (12) 0.45 (12) 0.45 (12) 0.45 (12) | S32-nm AOT 0.11 (22) 0.22 (40) 0.34 (19) 0.34 (19) 0.34 (19) 0.34 (19) 0.34 (19) 0.27 (8) 0.27 (8) 0.20 (14) 0.27 (9) -0.64 (6) 0.30 (9) 0.24 (19) 0.24 (19) 0.30 (9) 0.34 (14) -0.44 (19) 0.34 (14) -0.37 (21) 0.32 (36) 0.41 (23) 0.41 (23) 0.31 (20) 0.33 (16) 0.33 (16) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.27 (17) 0.10 (41) 0.40 (18) 0.33 (18) 0.33 (14) 0.53 (6) 0.53 (16) 0.53 (16) 0.42 (9) 0.42 (9) 0.42 (9) 0.42 (9) 0.42 (9) 0.44 (4) 0.44 (19) 0.44 (19) 0. | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.38 (8) 0.29 (14) 0.38 (8) 0.29 (14) 0.38 (6) 0.44 (12) 0.38 (6) 0.47 (16) 0.30 (14) 0.30 (14) 0.30 (14) 0.37 (19) 0.32 (23) 0.43 (23) 0.43 (23) 0.43 (23) 0.43 (24) 0.55 (23) 0.43 (23) 0.43 (24) 0.55 (23) 0.43 (23) 0.43 (24) 0.55 (23) 0.55 (23) 0.5 | 355-m Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) 0.32 (10) 0.32 (10) 0.42 (11) 0.42 (12) 0.42 (14) 0.42 (14) 0.43 (8) -0.32 (23) -0.32 (24) 0.33 (40) 0.55 (25) -0.22 (20) -0.22 (20) -0.22 (20) -0.22 (20) -0.22 (20) -0.23 (20) | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.15 (24) -0.15 (24) -0.22 (20) -0.22 (20) -0.22 (20) -0.22 (20) -0.26 (8) -0.26 (8) -0.27 (9) -0.26 (8) -0.27 (9) -0.25 (48) -0.25 (25) -0.44 (10) -0.38 (19) -0.36 (15) -0.31 (18) -0.38 (23) -0.33 (21) -0.33 (22) -0.33 (22) -0.12 (22) -0.16 (45) | H M L H M L H M L H M L H M L H M L H M L H M | | 010.0 610.0 610.0 00 |
| 700-hPa w CAPE LCL Alt Kindex 850-700 LR 850-500 LR 700-500 LR Ta 925 hPa Ta 1 km | 355-nm AOT 0.32 (24) 0.12 (37) 0.43 (30) 0.43 (30) 0.52 (16) 0.53 (16) 0.53 (16) 0.35 (14) 0.45 (17) 0.46 (16) 0.36 (49) 0.45 (17) 0.45 (17) 0.35 (14) 0.30 (8) 0.30 (8) 0.30 (8) 0.35 (24) 0.55 (23) 0.45 (24) 0.55 (23) 0.45 (24) 0.55 (23) 0.45 (24) 0.55 (23) 0.45 (24) 0.55 (23) 0.55 (23 | 532-nm AOT 0.31 (26) 0.15 (38) 0.53 (16) 0.39 (33) 0.53 (17) 0.41 (10) 0.27 (13) 0.27 (13) 0.27 (13) 0.32 (8) 0.43 (17) 0.43 (17) 0.43 (17) 0.43 (17) 0.43 (17) 0.43 (17) 0.22 (14) 0.33 (19) 0.22 (14) 0.32 (9) 0.22 (14) 0.32 (9) 0.22 (14) 0.32 (9) 0.22 (14) 0.32 (9) 0.22 (14) 0.33 (13) 0.38 (30) 0.39 (20) 0.25 (27) 0.24 (33) 0.33 (16) 0.10 (55) 0.43 (29) | 355-min Ext 0.18 (24) 0.13 (37) 0.41 (15) 0.29 (30) 0.45 (16) 0.45 (16) 0.48 (16) | 532-m Ext 532-m Ext 0.27 (26) 0.14 (38) 0.55 (16) 0.38 (33) 0.07 (30) 0.55 (17) 0.09 (10) 0.81 (8) 0.21 (13) 0.46 (5) 0.44 (17) 0.30 (9) 0.27 (9) 0.12 (42) 0.32 (8) 0.12 (42) 0.32 (8) 0.32 (8) 0.32 (8) 0.48 (30) 0.48 (30) 0.48 (30) 0.48 (30) 0.43 (32) 0.43 (16) 0.65 (35) 0.37 (29) | 355.mm 852 -0.23 (29) -0.33 (16) -0.28 (36) -0.28 (36) -0.28 (36) -0.28 (37) -0.28 (37) -0.28 (37) -0.28 (37) -0.28 (37) -0.28 (37) -0.28 (37) -0.28 (37) -0.28 (37) -0.12 (34) -0.12 | 532-nm Bsc -0.14 (31) -0.10 (45) -0.26 (17) -0.27 (39) 0.05 (36) -0.23 (18) 0.02 (12) 0.59 (8) 0.02 (12) 0.59 (8) 0.02 (13) 0.22 (10) 0.23 (17) 0.42 (17) 0.27 (19) 0.27 (1 | H M L H M L H M L H M L H M L H M L H M L H M L H M L | - 0.010 - 0.013 - 0.020 - 0.040 0 - 0.040 0 - 0.040 0 - 0.040 0 - 0.020 - 0.040 0 - 0.020 - 0.020 | 355-mm A 0.13 (20 tr 0.15 (39 tr 0.16 (31 tr) 0.16 (31 | DT 532-nm AOT 0.11 (22) 0.22 (40) 0.22 (40) 0.48 (18) 0.34 (19) 0.34 (19) 0.31 (42) 0.51 (42) 0.51 (22) 0.51 (42) 0.51 (42) 0.51 (42) 0.52 (14) 0.20 (14) 0.20 (14) 0.27 (9) 0.30 (9) -0.64 (6) 0.30 (9) 0.33 (17) 0.14 (44) 0.26 (10) 0.26 (10) 0.34 (14) -0.03 (7) -0.07 (21) 0.32 (36) 0.41 (23) 0.41 (23) 0.41 (23) 0.33 (16) 0.33 (16) 0.10 (40) 0.33 (16) | 355-nm Ext 0.10 (20) 0.14 (39) 0.37 (17) 0.27 (17) 0.27 (17) 0.40 (18) 0.36 (8) 0.33 (14) 0.36 (8) 0.33 (14) 0.35 (15) 0.42 (49) 0.53 (15) 0.42 (49) 0.53 (15) 0.44 (44) 0.44 (19) 0.53 (10) 0.38 (13) -0.02 (7) -0.23 (21) 0.44 (21) 0.45 (21) | 532-nm Ext 0.10 (22) 0.19 (40) 0.46 (18) 0.37 (19) 0.12 (42) 0.48 (19) 0.29 (14) 0.54 (19) 0.38 (16) 0.47 (16) 0.33 (17) 0.35 (17) 0.33 (17) 0.34 (16) 0.37 (40) 0.35 (17) 0.35 (17) | 355-m Bsc 0.02 (24) -0.16 (47) -0.29 (18) -0.28 (22) -0.04 (48) -0.27 (19) 0.32 (10) 0.32 (10) 0.32 (10) 0.32 (10) 0.32 (10) 0.32 (10) 0.22 (8) 0.50 (15) -0.22 (48) -0.25 (25) -0.24 (15) -0.25 (25) -0.05 (41) -0.05 (41) -0.05 (41) -0.05 (41) -0.05 (41) -0.05 (41) -0.35 (22) -0.22 (20) -0.22 (20) -0.24 (24) -0.24 (24) -0.25 (25) -0.25 (25) -0.25 (25) -0.22 (20) -0.35 (21) -0.24 (24) -0.24 (24) -0.24 (24) -0.25 (25) -0.25 | 532-nm Bsc 0.21 (26) -0.20 (48) -0.24 (19) -0.15 (24) -0.15 (24) -0.15 (24) -0.22 (20) 0.33 (10) 0.12 (14) -0.22 (20) 0.23 (10) -0.22 (20) 0.49 (16) 0.27 (9) -0.25 (48) -0.25 (48) -0.25 (48) -0.25 (48) -0.25 (48) -0.25 (48) -0.26 (48) -0.02 (43) -0.02 (43) -0.02 (43) -0.03 (26) -0.03 (26) -0.33 (25) -0.12 (22) -0.16 (45) -0.23 (25) | H M L H M L H M L H M L H M L H M L H M L H M L | | 0.010 0.013 0.020 inf 0.000 0.040 0.040 0.040 0.040 0.040 0.040 0.013 |

Figure S6: As in Fig. S1 but using maximum APR-3 Ku-band composite Z_H as the convective parameter.

| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | |
|------------------|-------------|--------------|--------------|--------------|-------------|---------------|-----|-----------------|-------------|-------------|------------|--------------|-------------|------------|----------|-------------------|-----------|
| ε | 0.46 (27) | 0.38 (28) | 0.51 (27) | 0.50 (28) | 0.31 (31) | 0.27 (32) | н | E | 0.62 (32) | 0.51 (33) | 0.61 (32) | 0.62 (33) | 0.49 (37) | 0.47 (38) | н | | |
| 1 k | 0.26 (50) | 0.26 (51) | 0.26 (50) | 0.28 (51) | 0.30 (58) | 0.33 (59) | м | 0.010 | 0.09 (31) | 0.12 (32) | 0.05 (31) | 0.06 (32) | 0.20 (35) | 0.11 (36) | м | | 0.010 |
| F. | 0.50 (10) | 0.51 (11) | 0.40 (10) | 0.41 (11) | 0.32 (11) | 0.37 (12) | L | r. | 0.33 (24) | 0.34 (25) | 0.33 (24) | 0.34 (25) | 0.35 (28) | 0.39 (29) | L | | |
| p d | 0.60 (40) | 0.54 (42) | 0.61 (40) | 0.61 (42) | 0.37 (46) | 0.48 (48) | н | e e | 0.41 (29) | 0.35 (31) | 0.48 (29) | 0.46 (31) | 0.21 (34) | 0.28 (36) | н | | |
| 25 h | 0.25 (32) | 0.25 (32) | 0.19(32) | 0.20 (32) | 0.33 (38) | 0.23 (38) | м | - 0.013 5 | 0.23 (32) | 0.24 (32) | 0.23 (32) | 0.25 (32) | 0.25 (37) | 0.26 (37) | м | | 0.013 |
| T _d 9 | 0.71 (15) | 0.62 (16) | 0.69 (15) | 0.71 (16) | 0.69 (16) | 0.73 (17) | 1 | 6 PL | 0.39 (26) | 0.38 (27) | 0.42 (26) | 0.42 (27) | 0.44 (29) | 0.47 (30) | Ë. | | |
| æ | 0.75 (11) | 0.72 (11) | 0.09 (13) | 0.72 (11) | 0.69 (10) | 0.66 (12) | | æ | 0.35 (20) | 0.36 (27) | 0.75 (12) | 0.42 (27) | 0.44 (25) | 0.47 (30) | | | |
| 1 00 | 0.75 (11) | 0.72 (11) | 0.78 (11) | 0.78 (11) | 0.69 (13) | 0.66 (13) | | - 0.020 | 0.76 (13) | 0.74 (13) | 0.75 (13) | 0.75 (13) | 0.55 (15) | 0.64 (15) | <u>-</u> | | 0.020 |
| 0-5 | 0.91 (15) | 0.91 (15) | 0.88 (15) | 0.88 (15) | 0.55 (16) | 0.54 (16) | м | 0.020 5 | 0.95 (11) | 0.94 (11) | 0.91 (11) | 0.90 (11) | 0.29 (12) | 0.21 (12) | м | | 0.020 |
| 70 | 0.00 (9) | -0.03 (9) | 0.23 (9) | 0.13 (9) | 0.05 (9) | 0.40 (9) | L | 70 | 0.71 (11) | 0.61 (11) | 0.80 (11) | 0.76 (11) | 0.37 (11) | 0.82 (11) | L | | tien |
| 0 LR | 0.64 (5) | 0.99 (5) | 0.40 (5) | 0.27 (5) | 0.65 (7) | 0.55 (7) | н | effic | 0.97 (10) | 0.97 (10) | 0.97 (10) | 0.97 (10) | 0.86 (12) | 0.93 (12) | н | | effic |
| 0-50 | 0.72 (23) | 0.69 (23) | 0.73 (23) | 0.73 (23) | 0.33 (24) | 0.45 (24) | м | - 0.040 0 0 | 0.83 (14) | 0.79 (14) | 0.83 (14) | 0.82 (14) | 0.45 (14) | 0.73 (14) | м | | 0.040 0 |
| 850 | -0.48 (7) | -0.51 (7) | -0.44 (7) | -0.55 (7) | 0.83 (7) | 0.71 (7) | L | ation | 0.18 (11) | 0.09 (11) | 0.35 (11) | 0.26 (11) | 0.54 (12) | 0.16 (12) | L | | ation |
| З | 0.81 (5) | 0.90 (5) | 0.84 (5) | 0.88 (5) | 0.87 (6) | 0.81 (6) | н | LR LR | 0.26 (25) | 0.31 (28) | 0.28 (25) | 0.32 (28) | 0.31 (26) | 0.35 (29) | н | | rrela |
| 700 | 0.28 (41) | 0.28 (44) | 0.30 (41) | 0.32 (44) | 0.32 (43) | 0.39 (46) | м | - inf 0 0 | 0.29 (28) | 0.25 (28) | 0.35 (28) | 0.34 (28) | 0.21 (32) | 0.26 (32) | м | - | inf 0 |
| 850- | 0.25 (41) | 0.24 (41) | 0.25 (41) | 0.25 (41) | 0.12 (50) | 0.05 (50) | L | rsor 850- | 0.14 (34) | 0.13 (34) | 0.07 (34) | 0.04 (34) | -0.00 (41) | -0.04 (41) | L | | rsor |
| | 0.86 (15) | 0.68 (15) | 0.92 (15) | 0.90 (15) | 0.52 (15) | 0.83 (15) | н | Pea | 0.86 (12) | 0.70 (12) | 0.92 (12) | 0.90 (12) | 0.52 (12) | 0.84 (12) | н | | Pea |
| xapu | 0.67 (12) | 0.63(12) | 0.70(12) | 0.69(12) | 0.71 (13) | 0.71 (13) | м | - 0.040 E P | 0.73 (12) | 0.66 (12) | 0.78 (12) | 0.76 (12) | 0.82 (12) | 0.77 (12) | м | | 0.040 8 |
| ×. | 0.46 (8) | 0.34 (8) | 0.40 (8) | 0.36 (8) | -0.34 (10) | -0.46 (10) | 1 | e 10 00 1 | 0.77 (11) | 0.74 (11) | 0.73 (11) | 0.72 (11) | 0.17(14) | 0.12(14) | | | e frono e |
| | 0.36 (15) | 0.39 (15) | 0.30 (15) | 0.30 (0) | 0.31 (17) | 0.12 (17) | 5 | valt | 0.14 (21) | 0.16 (21) | 0.12 (21) | 0.14 (21) | 0.20 (24) | 0.12 (24) | | | valu |
| Alt | 0.36 (13) | 0.28 (13) | 0.30 (13) | 0.24 (13) | 0.31 (17) | 0.12 (17) | | Alt P | 0.14 (31) | 0.16 (31) | 0.13 (31) | 0.14 (31) | 0.20 (34) | 0.18 (34) | | | d. |
| LCL | 0.22 (44) | 0.24 (45) | 0.24 (44) | 0.26 (45) | 0.27 (49) | 0.30 (50) | M | - 0.020 | 0.34 (27) | 0.35 (28) | 0.38 (27) | 0.39 (28) | 0.36 (31) | 0.42 (32) | M | | 0.020 |
| | 0.54 (28) | 0.35 (30) | 0.60 (28) | 0.62 (30) | 0.20 (34) | 0.21 (36) | L | | 0.53 (29) | 0.34 (31) | 0.59 (29) | 0.61 (31) | 0.20 (35) | 0.20 (37) | L | | |
| ψ. | 0.72 (16) | 0.69 (17) | 0.74 (16) | 0.74 (17) | 0.69 (18) | 0.68 (19) | н | | 0.22 (32) | 0.24 (34) | 0.24 (32) | 0.26 (34) | 0.24 (35) | 0.33 (37) | н | | |
| S | 0.27 (32) | 0.27 (33) | 0.26 (32) | 0.27 (33) | 0.17 (33) | 0.26 (34) | м | - 0.013 3 | 0.37 (29) | 0.26 (29) | 0.44 (29) | 0.46 (29) | 0.31 (30) | 0.33 (30) | м | | 0.013 |
| | 0.05 (39) | 0.03 (40) | 0.08 (39) | 0.07 (40) | 0.12 (49) | -0.06 (50) | L | | 0.13 (26) | 0.14 (27) | 0.12 (26) | 0.13 (27) | 0.14 (35) | -0.05 (36) | L | | |
| M | 0.45 (12) | 0.48 (13) | 0.37 (12) | 0.41 (13) | 0.29 (14) | 0.37 (15) | н | | 0.30 (27) | 0.34 (28) | 0.29 (27) | 0.30 (28) | 0.32 (34) | 0.41 (35) | н | | |
| e'hPa | 0.28 (46) | 0.31 (47) | 0.32 (46) | 0.34 (47) | 0.35 (54) | 0.37 (55) | м | - 0.010 | 0.35 (26) | 0.36 (27) | 0.38 (26) | 0.40 (27) | 0.41 (29) | 0.42 (30) | м | | 0.010 |
| 700 | 0.54 (29) | 0.38 (30) | 0.57 (29) | 0.57 (30) | 0.18 (31) | 0.22 (32) | L | 700 | 0.33 (34) | 0.23 (35) | 0.38 (34) | 0.38 (35) | 0.17 (36) | 0.15 (37) | L | $\mathbf{\nabla}$ | |
| | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 4 | • | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | • | |
| | 355-pm AOT | 532-pm AOT | 355-pm Ext | 532-pm Ext | 355-pm Bec | 532-pm Bcc | | | 355-pm AOT | 532-pm AOT | 355-pm Ext | 532-pm Ext | 355-pm Bec | 532-pm Bcc | | | |
| | 0.46 (28) | 0.38 (29) | 0.51 (28) | 0.50 (29) | 0.32 (33) | 0.27 (34) | Ы | · 🔺 | 0.47 (23) | 0.34 (24) | 0.54 (23) | 0.52 (24) | 0 14 (27) | 0.09 (28) | н | | |
| L km | 0.22 (43) | 0.23 (44) | 0.22 (43) | 0.23 (44) | 0.25 (50) | 0.26 (51) | M | 0.010 | 0.19 (45) | 0.20 (46) | 0.20 (45) | 0.22 (46) | 0.23 (53) | 0.26 (54) | M | | 0.010 |
| P. | 0.22 (43) | 0.23 (44) | 0.22 (43) | 0.23 (44) | 0.23 (30) | 0.20 (31) | 141 | 1 P | 0.19 (45) | 0.20 (40) | 0.20 (43) | 0.22 (40) | 0.23 (33) | 0.20 (34) | IVI | | |
| | 0.71 (16) | 0.62 (17) | 0.69 (16) | 0.71(17) | 0.69(17) | 0.71 (18) | L. | | 0.66 (19) | 0.60 (20) | 0.65 (19) | 0.64 (20) | 0.61 (20) | 0.66 (21) | | | |
| 5 hP | 0.60 (34) | 0.54 (36) | 0.61 (34) | 0.61 (36) | 0.37 (40) | 0.48 (42) | н | P 0.013 | 0.80 (20) | 0.64 (21) | 0.86 (20) | 0.84 (21) | 0.45 (25) | 0.39 (26) | н | | 0.013 |
| 92 | 0.21 (35) | 0.21 (35) | 0.15 (35) | 0.16 (35) | 0.25 (41) | 0.16 (41) | м | 6.013 | 0.15 (47) | 0.16 (48) | 0.15 (47) | 0.17 (48) | 0.18 (54) | 0.18 (55) | м | | 0.015 |
| ۲ | 0.69 (18) | 0.61 (19) | 0.69 (18) | 0.71 (19) | 0.66 (19) | 0.71 (20) | L | P P | 0.68 (20) | 0.58 (21) | 0.66 (20) | 0.65 (21) | 0.59 (21) | 0.68 (22) | L | | |
| 0 LR | 0.76 (13) | 0.74 (13) | 0.75 (13) | 0.75 (13) | 0.55 (15) | 0.64 (15) | н | O LR | 0.78 (10) | 0.74 (10) | 0.81 (10) | 0.82 (10) | 0.73 (12) | 0.70 (12) | н | | |
| 0-50 | 0.95 (11) | 0.94 (11) | 0.91 (11) | 0.90 (11) | 0.29 (12) | 0.21 (12) | м | - 0.020 5 | 0.76 (18) | 0.72 (18) | 0.76 (18) | 0.75 (18) | 0.25 (19) | 0.46 (19) | м | | 0.020 |
| 70 | 0.71 (11) | 0.61 (11) | 0.80 (11) | 0.76 (11) | 0.37 (11) | 0.82 (11) | L | ent 70 | -0.57 (7) | -0.69 (7) | -0.41 (7) | -0.32 (7) | 0.42 (7) | -0.16 (7) | L. | | ent |
| Ч | 0.55 (7) | 0.73 (7) | 0.30 (7) | 0.25 (7) | 0.54 (9) | 0.56 (9) | н | effici | 0.55 (7) | 0.73 (7) | 0.30 (7) | 0.25 (7) | 0.54 (9) | 0.56 (9) | н | | effici |
| 500 | 0.83 (18) | 0.80 (18) | 0.83 (18) | 0.82 (18) | 0.36 (19) | 0.51 (19) | м | - 0.040 တိ တို့ | 0.83 (18) | 0.80 (18) | 0.83 (18) | 0.82 (18) | 0.36 (19) | 0.51 (19) | м | - | 0.040 S |
| 850 | 0.14 (10) | 0.04 (10) | 0.32 (10) | 0.25 (10) | 0.77 (10) | 0.71 (10) | L | tion 850- | 0.14 (10) | 0.04 (10) | 0.32 (10) | 0.25 (10) | 0.77 (10) | 0.71 (10) | L | | tion |
| 4 | 0.73 (9) | 0.78 (11) | 0.80 (9) | 0.84 (11) | 0.82 (10) | 0.73 (12) | н | R | 0.16 (16) | 0.23 (19) | 0.18 (16) | 0.23 (19) | 0.17 (17) | 0.23 (20) | н | | relat |
| 100 | 0.23 (41) | 0.22 (42) | 0.25 (41) | 0.26 (42) | 0.27 (44) | 0.32 (45) | м | - inf D 00 | 0.33 (45) | 0.32 (45) | 0.38 (45) | 0.38 (45) | 0.30 (50) | 0.34 (50) | м | | inf Ö |
| 50-7 | 0.40 (37) | 0.38 (37) | 0.36 (37) | 0.35 (37) | 0.13 (45) | 0.07 (45) | | son 50-7 | 0.17 (26) | 0.10 (26) | 0.12 (26) | 0.09 (26) | -0.04 (32) | -0.06(32) | Ë I | | son |
| 00 | 0.95 (14) | 0.50 (37) | 0.92 (14) | 0.90 (14) | 0.13 (43) | 0.87 (14) | | ear 8 | 0.26 (11) | 0.70 (11) | 0.92 (11) | 0.09 (20) | 0.52 (11) | 0.84 (11) | | | ear |
| dex | 0.85 (14) | 0.09 (14) | 0.52 (14) | 0.90 (14) | 0.32 (14) | 0.83 (14) | | dex h | 0.80 (11) | 0.70 (11) | 0.92 (11) | 0.30 (11) | 0.52 (11) | 0.34 (11) | | | E |
| KIn. | 0.72 (12) | 0.65 (12) | 0.77 (12) | 0.75 (12) | 0.81 (12) | 0.79 (12) | M | - 0.040 g c | 0.70 (16) | 0.67 (16) | 0.73 (16) | 0.72 (16) | 0.69 (17) | 0.71(17) | M | | 0.040 2 |
| | 0.79 (9) | 0.74 (9) | 0.78 (9) | 0.77 (9) | 0.19 (12) | 0.10 (12) | L | alue | 0.46 (8) | 0.34 (8) | 0.40 (8) | 0.36 (8) | -0.34 (10) | -0.46 (10) | L | | alue |
| Alt | 0.29 (21) | 0.32 (21) | 0.22 (21) | 0.22 (21) | 0.26 (23) | 0.30 (23) | н | et P | 0.28 (23) | 0.31 (23) | 0.22 (23) | 0.22 (23) | 0.26 (25) | 0.30 (25) | н | | P |
| CL | 0.23 (37) | 0.24 (38) | 0.26 (37) | 0.28 (38) | 0.29 (42) | 0.30 (43) | м | - 0.020 | 0.24 (43) | 0.24 (44) | 0.28 (43) | 0.29 (44) | 0.27 (50) | 0.31 (51) | м | | 0.020 |
| | 0.53 (29) | 0.34 (31) | 0.59 (29) | 0.61 (31) | 0.20 (35) | 0.20 (37) | L | | 0.60 (21) | 0.45 (23) | 0.63 (21) | 0.67 (23) | 0.31 (25) | 0.21 (27) | L | | |
| 112 | 0.72 (21) | 0.68 (22) | 0.74 (21) | 0.73 (22) | 0.46 (23) | 0.68 (24) | н | | 0.36 (24) | 0.36 (25) | 0.42 (24) | 0.44 (25) | 0.34 (26) | 0.48 (27) | н | | |
| CAPE | 0.32 (31) | 0.31 (32) | 0.32 (31) | 0.33 (32) | 0.24 (32) | 0.29 (33) | м | - 0.013 | 0.29 (40) | 0.28 (42) | 0.31 (40) | 0.33 (42) | 0.13 (46) | 0.11 (48) | м | | 0.013 |
| 2 | 0.04 (35) | 0.03 (36) | 0.07 (35) | 0.07 (36) | 0.13 (45) | -0.06 (46) | L | | 0.15 (23) | 0.13 (23) | 0.14 (23) | 0.13 (23) | 0.30 (28) | 0.04 (28) | L. | | |
| | 0.26 (20) | 0.30 (21) | 0.18 (20) | 0.20 (21) | 0.21 (26) | 0.30 (27) | н | 2 | 0.26 (20) | 0.30 (21) | 0.18 (20) | 0.20 (21) | 0.21 (26) | 0.30 (27) | н | | |
| Pav | 0.39 (36) | 0.40 (37) | 0.43 (36) | 0.45 (37) | 0.48 (40) | 0.49 (41) | M | Pa v | 0.32 (41) | 0.34 (42) | 0.38 (41) | 0.40 (42) | 0.44 (45) | 0.40 (46) | M | | |
| 1-002 | 0.35 (31) | 0.24 (32) | 0.39 (31) | 0 39 (32) | 0.16 (33) | 0.15 (34) | 1 | 0.010 | 0.43 (26) | 0.26 (27) | 0.43 (26) | 0.42 (27) | 0.07 (28) | 0.10 (29) | 1 | | 0.010 |
| r . | 355-nm AOT | 532-nm AOT | 355-pm Ext | 532-nm Ext | 355-pm Bec | 532-nm Bec | 1 | • | 355-pm AOT | 532-nm AOT | 355-nm Ext | 532-nm Evt | 355-pm Bec | 532-nm Bsc | - | ▼ | |
| | 555-min A01 | 532-1111 AUT | SSS-IIII LAU | SSZ-IIII CAL | 555-min DSC | 2.22-min 0.5C | | | 555-min A01 | 332-min A01 | SSSSSEE | SSZ-IIII CAL | 555-min 05C | 532-mm 03C | | | |

Figure S7: As in Fig. S1 but using the number of APR-3 Ku-band composite Z_H pixels \geq 30 dBZ within a given scene as the convective parameter.

| U 0.01 (27) 0.01 (| 35 | 55-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | | | 1 | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | 121 | |
|--|--|---|------------|------------|------------|------------|------------|-----|---|----------|--------|------------|------------|------------|-----------------------|------------|------------|-----|--------------|---------|
| 1 0.01 (47) 0.02 (| ε | 0.41 (26) | 0.31 (27) | 0.41 (26) | 0.37 (27) | 0.41 (29) | 0.45 (30) | н | | | ε | 0.53 (31) | 0.38 (32) | 0.54 (31) | 0.50 (32) | 0.50 (34) | 0.53 (35) | н | | |
| 1 0.02(6) 0.13(6) 0.24(6) 0.03(6) 0.02(2 | - 14 | 0.01 (47) | -0.03 (47) | -0.02 (47) | -0.02 (47) | -0.02 (50) | -0.06 (50) | м | | 0.010 | 1 k | -0.13 (30) | -0.14 (30) | -0.16 (30) | -0.16 (30) | -0.08 (33) | -0.19 (33) | м | | 0.010 |
| general 0.02(10) 0.03(10) | -1 | 0.20 (8) | 0.19 (8) | 0.19 (8) | 0.24 (8) | 0.13 (8) | -0.16 (8) | L | | | -1 | 0.09 (20) | 0.07 (20) | 0.06 (20) | 0.07 (20) | -0.01 (20) | -0.02 (20) | L | | |
| 0 | Pa | 0.44 (37) | 0.32 (38) | 0.38 (37) | 0.35 (38) | 0.19 (40) | 0.34 (41) | н | | | Pa | 0.37 (29) | 0.25 (30) | 0.32 (29) | 0.28 (30) | 0.23 (32) | 0.32 (33) | н | | |
| 1 0.02(13) 0.27 (13) 0.27 (13) 0.21 (1 | 925 | 0.00 (31) | -0.01 (31) | -0.01 (31) | -0.01 (31) | 0.05 (34) | -0.04 (34) | м | | 0.013 | 925 | 0.25 (27) | 0.23 (27) | 0.23 (27) | 0.23 (27) | 0.20 (30) | 0.17 (30) | м | | 0.013 |
| 1000000000000000000000000000000000000 | P I | 0.30 (13) | 0.24 (13) | 0.27 (13) | 0.28 (13) | 0.21 (13) | 0.14 (13) | L | | | ۴ | -0.13 (25) | -0.14 (25) | -0.12 (25) | -0.12 (25) | -0.16 (25) | -0.19 (25) | L | | |
| 0000 0.75 (11) 0.75 (11) 0.76 (11) 0.76 (11) 0.77 (12) M 0.76 (12) 0.47 (17) 0.66 (17) 0.77 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.78 (17) 0.57 (17) 0.57 (17) 0.57 (17) 0.57 (17) 0.57 (17) 0.57 (17) 0.57 (17) 0.57 (17) 0.58 (12) 0.51 (11) </td <td>5</td> <td>0.30 (12)</td> <td>0.22 (12)</td> <td>0.35 (12)</td> <td>0.35 (12)</td> <td>0.42 (14)</td> <td>0.23 (14)</td> <td>н</td> <td></td> <td></td> <td>5</td> <td>0.32 (14)</td> <td>0.26 (14)</td> <td>0.34 (14)</td> <td>0.34 (14)</td> <td>0.34 (16)</td> <td>0.25 (16)</td> <td>н</td> <td></td> <td></td> | 5 | 0.30 (12) | 0.22 (12) | 0.35 (12) | 0.35 (12) | 0.42 (14) | 0.23 (14) | н | | | 5 | 0.32 (14) | 0.26 (14) | 0.34 (14) | 0.34 (14) | 0.34 (16) | 0.25 (16) | н | | |
| No. Out (0) O.44 (0) O | 200 | 0.75 (11) | 0.75 (11) | 0.70 (11) | 0.67 (11) | 0.58 (12) | 0.70 (12) | м | - | 0.020 | -200 | 0.83 (7) | 0.87 (7) | 0.80 (7) | 0.78 (7) | 0.76 (8) | 0.80 (8) | м | | 0.020 |
| United D <td>700</td> <td>0.07 (9)</td> <td>0.04 (9)</td> <td>0.16 (9)</td> <td>-0.20 (9)</td> <td>0.44 (9)</td> <td>0.12 (9)</td> <td>L</td> <td></td> <td>ent</td> <td>700</td> <td>0.47 (11)</td> <td>0.43 (11)</td> <td>0.49 (11)</td> <td>0.37 (11)</td> <td>0.50 (11)</td> <td>0.49 (11)</td> <td>L</td> <td></td> <td>ent</td> | 700 | 0.07 (9) | 0.04 (9) | 0.16 (9) | -0.20 (9) | 0.44 (9) | 0.12 (9) | L | | ent | 700 | 0.47 (11) | 0.43 (11) | 0.49 (11) | 0.37 (11) | 0.50 (11) | 0.49 (11) | L | | ent |
| 000 001/211 0.06 (2)2 0.05 (2)1 0.05 (| s 🗌 | | | | | 0.74 (6) | 0.94 (6) | н | | ffici | 5 | 0.58 (10) | 0.58 (10) | 0.64 (10) | 0.66 (10) | 0.72 (12) | 0.58 (12) | н | | ffici |
| Mark Add 2(1) Add 2(1) <th< td=""><td>200</td><td>0.51 (21)</td><td>0.46 (21)</td><td>0.53 (21)</td><td>0.50 (21)</td><td>0.54 (22)</td><td>0.47 (22)</td><td>м</td><td>-</td><td>0.040 ပိ</td><td>500</td><td>0.49 (11)</td><td>0.41 (11)</td><td>0.51 (11)</td><td>0.46 (11)</td><td>0.51 (11)</td><td>0.46 (11)</td><td>м</td><td></td><td>0.040 🖁</td></th<> | 200 | 0.51 (21) | 0.46 (21) | 0.53 (21) | 0.50 (21) | 0.54 (22) | 0.47 (22) | м | - | 0.040 ပိ | 500 | 0.49 (11) | 0.41 (11) | 0.51 (11) | 0.46 (11) | 0.51 (11) | 0.46 (11) | м | | 0.040 🖁 |
| Under 0.05 (5) 0.01 (5) 0.01 (5) 0.02 (41) 0.02 (| 820- | -0.32 (7) | -0.28 (7) | -0.43 (7) | -0.61 (7) | 0.57 (7) | -0.09 (7) | L | | tion | 850- | 0.33 (11) | 0.32 (11) | 0.30 (11) | 0.09 (11) | 0.48 (12) | 0.39 (12) | L | | tion |
| 000 002 0.02 (41) 0.03 (42) 0.00 (41) 0.03 (42) 0.00 (41) 0.03 (42) 0.00 (41) 0.03 (42) 0.03 (42) 0.03 (42) 0.05 (12)< | 5 | 0.05 (5) | -0.01 (5) | -0.09 (5) | -0.03 (5) | -0.40 (5) | -0.40 (5) | н | | rela | s | 0.13 (22) | 0.11 (23) | 0.08 (22) | 0.07 (23) | 0.07 (22) | 0.06 (23) | н | | rela |
| 0 | 200 | 0.02 (41) | -0.05 (42) | -0.02 (41) | -0.03 (42) | -0.06 (43) | -0.06 (44) | м | - | inf Ö | 700 | -0.07 (28) | -0.10 (28) | -0.06 (28) | -0.06 (28) | -0.09 (32) | -0.05 (32) | м | | inf 0 |
| 053 (12) 0.40 (12) 0.51 (12) 0.61 (12) 0.61 (12) 0.61 (12) 0.61 (12) 0.62 (13) 0.57 (13) 0.53 (12) 0.57 (13) 0.53 (12) 0.57 (13) 0.53 (12) 0.53 (12) 0.53 (12) 0.53 (12) 0.53 (12) 0.52 (13) 0.02 (13) 0.22 (13) 0.23 (13) 0.23 (13) 0.23 (13) 0.23 (13) 0.23 (13) 0.23 (13) 0.23 (12) 0.21 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.11 (29) 0.01 (20) 0.33 (20) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) 0.33 (30) <th< td=""><td>820-</td><td>0.42 (35)</td><td>0.40 (35)</td><td>0.43 (35)</td><td>0.42 (35)</td><td>0.36 (38)</td><td>0.32 (38)</td><td>L</td><td></td><td>rson</td><td>850-</td><td>0.39 (31)</td><td>0.36 (31)</td><td>0.39 (31)</td><td>0.37 (31)</td><td>0.25 (32)</td><td>0.21 (32)</td><td>L</td><td></td><td>rson</td></th<> | 820- | 0.42 (35) | 0.40 (35) | 0.43 (35) | 0.42 (35) | 0.36 (38) | 0.32 (38) | L | | rson | 850- | 0.39 (31) | 0.36 (31) | 0.39 (31) | 0.37 (31) | 0.25 (32) | 0.21 (32) | L | | rson |
| Model Observed Observed <t< td=""><td></td><td>0.53 (12)</td><td>0.40 (12)</td><td>0.61 (12)</td><td>0.51 (12)</td><td>0.68 (12)</td><td>0.65 (12)</td><td>н</td><td></td><td>Pea</td><td></td><td>0.56 (9)</td><td>0.45 (9)</td><td>0.61 (9)</td><td>0.52 (9)</td><td>0.72 (9)</td><td>0.62 (9)</td><td>н</td><td></td><td>Pea</td></t<> | | 0.53 (12) | 0.40 (12) | 0.61 (12) | 0.51 (12) | 0.68 (12) | 0.65 (12) | н | | Pea | | 0.56 (9) | 0.45 (9) | 0.61 (9) | 0.52 (9) | 0.72 (9) | 0.62 (9) | н | | Pea |
| and the state of the | ude) | 0.68 (13) | 0.69 (13) | 0.66 (13) | 0.64 (13) | 0.57 (14) | 0.65 (14) | м | - | 0.040 8 | repu | 0.57 (13) | 0.53 (13) | 0.60 (13) | 0.57 (13) | 0.55 (13) | 0.59 (13) | м | | 0.040 8 |
| Product -0.24 (13) -0.22 (13) -0.23 (13) -0.09 (14) -0.31 (14) H -0.00 (28) -0.09 (28) -0.09 (28) -0.09 (28) -0.09 (28) -0.05 (29) -0.13 (29) H 0.26 (13) 0.16 (43) 0.14 (43) 0.15 (43) 0.07 (45) 0.12 (45) M -0.20 (27) 0.23 (27) 0.23 (27) 0.23 (27) 0.23 (27) 0.23 (27) 0.23 (27) 0.23 (28) 0.24 (29) 0.28 (29) | 2- | -0.06 (7) | -0.19 (7) | -0.11 (7) | -0.15 (7) | -0.03 (9) | -0.31 (9) | L | | ue f | ¥- | 0.37 (10) | 0.32 (10) | 0.35 (10) | 0.35 (10) | 0.32 (13) | 0.23 (13) | L | | ue f |
| unput 0.17 (43) 0.16 (43) 0.14 (43) 0.15 (43) 0.07 (45) 0.12 (45) M 0.020 Q 0.23 (25) 0.23 (22) <th0.23 (22)<="" th=""> 0.23 (22)</th0.23> | | 0.24 (13) | -0.28 (13) | -0.22 (13) | -0.23 (13) | -0.09 (14) | -0.31 (14) | н | | lev-d | | -0.09 (28) | -0.11 (28) | -0.09 (28) | -0.09 (28) | -0.05 (29) | -0.13 (29) | н | | lev-d |
| 01 mode 0.28 (25) 0.16 (26) 0.32 (25) 0.27 (26) 0.29 (28) 0.28 (29) L 0.00 (26) 0.31 (27) 0.32 (26) 0.27 (27) 0.28 (29) L 0.70 (16) 0.52 (17) 0.77 (16) 0.52 (17) 0.77 (16) 0.52 (17) 0.77 (16) 0.53 (13) 0.46 (32) 0.42 (33) H 0.00 (11) 0.04 (11) 0.11 (30) 0.13 (30) M 0.03 (26) 0.31 (29) 0.38 (29) 0.08 (27) 0.09 (22) 0.02 (26) 0.03 (26) 0.09 (22) 0.02 (26) 0.03 (26) 0.09 (22) 0.03 (26) 0.03 (26) 0.03 (26) 0.03 (26) 0.03 (26) 0.03 (26) 0.03 (26) 0.03 (26) 0.03 (26) 0.03 (26) | LAI | 0.17 (43) | 0.16 (43) | 0.14 (43) | 0.15 (43) | 0.07 (45) | 0.12 (45) | м | | 0.020 | LAI | 0.25 (27) | 0.23 (27) | 0.23 (27) | 0.23 (27) | 0.11 (29) | 0.17 (29) | м | | 0.020 |
| b 0.70 (16) 0.52 (17) 0.73 (16) 0.66 (17) 0.75 (18) 0.67 (19) H 0.07 (13) 0.08 (30) 0.11 (30) 0.11 (30) 0.13 (30) 0.13 (30) 0.13 (31) 0.38 (30) 0.35 (31) 0.46 (32) 0.42 (23) H 0.07 (30) 0.08 (30) 0.11 (30) 0.11 (30) 0.13 (30) 0.13 (30) 0.13 (31) 0.38 (20) 0.33 (21) 0.46 (32) 0.42 (23) H 0.07 (14) 0.01 (43) 0.01 (43) 0.02 (44) 0.00 (45) 0.03 (44) 0.02 (45) 0.02 (46) 0.02 (47) 0.03 (20) 0.46 (32) 0.46 (32) 0.24 (26) 0.33 (20) 0.24 (26) 0.01 (27) M 0.01 (27) 0.02 (25) 0.03 (26) 0.02 (25) 0.03 (26) 0.02 (27) 0.03 (20) 0.24 (28) 0.31 (31) 0.33 (31) 0.13 (31) 0.33 (21) 0.44 (31) 0.06 (31) 0.06 (31) 0.06 (31) 0.06 (31) 0.06 (31) 0.06 (31) 0.05 (41) 0.05 (41) 0.05 (41) 0.05 (41) 0.05 (41) 0.05 (41) 0.05 (41 | 9 | 0.28 (25) | 0.16 (26) | 0.32 (25) | 0.27 (26) | 0.29 (28) | 0.28 (29) | L | | 0.020 | 2 | 0.30 (26) | 0.18 (27) | 0.32 (26) | 0.27 (27) | 0.28 (29) | 0.28 (30) | L | | 0.020 |
| and b -0.07 (30) -0.07 (30) -0.08 (30) -0.13 (35) -0.11 (30) -0.16 (35) -0.11 (30) -0.17 (35) -0.11 (30) -0.13 (31) -0.013 (30) -0.03 (39) L L and b -0.013 -0.013 (10) -0.02 (11) -0.013 (11) -0.04 (11) -0.013 (11) -0.04 (11) -0.013 (11) -0.06 (12) -0.013 (12) -0.06 (13) -0.013 (12) -0.01 (12) -0.013 (12) -0.01 (12) -0.013 (12) -0.02 (12) -0.013 (12) -0.02 (13) -0.013 (12) -0.01 (12) </td <td></td> <td>0.70 (16)</td> <td>0.52 (17)</td> <td>0.73 (16)</td> <td>0.66 (17)</td> <td>0.75 (18)</td> <td>0.67 (19)</td> <td>н</td> <td></td> <td></td> <td></td> <td>0.37 (30)</td> <td>0.31 (31)</td> <td>0.38 (30)</td> <td>0.35 (31)</td> <td>0.46 (32)</td> <td>0.42 (33)</td> <td>н</td> <td></td> <td></td> | | 0.70 (16) | 0.52 (17) | 0.73 (16) | 0.66 (17) | 0.75 (18) | 0.67 (19) | н | | | | 0.37 (30) | 0.31 (31) | 0.38 (30) | 0.35 (31) | 0.46 (32) | 0.42 (33) | н | | |
| 0 0.17 (35) 0.13 (35) 0.16 (35) 0.17 (35) 0.14 (39) 0.03 (39) L 0.09 (11) 0.04 (11) 0.11 (11) 0.13 (11) 0.09 (12) 0.06 (12) H H 0.02 (14) 0.004 (11) 0.11 (11) 0.13 (11) 0.09 (12) 0.06 (12) H H 0.02 (14) 0.04 (13) 0.03 (34) 0.02 (26) 0.18 (28) 0.06 (27) 0.06 (12) H H H Image: Control (10) 0.06 (12) H H Image: Control (10) 0.06 (12) 0.06 (12) 0.01 (27) M Image: Control (10) 0.06 (28) 0.01 (27) M Image: Control (10) 0.02 (20) 0.02 (20) 0.02 (20) 0.02 (20) 0.02 (21) | APE . | 0.07 (30) | -0.08 (30) | -0.10 (30) | -0.11 (30) | -0.15 (30) | -0.13 (30) | м | | 0.012 | APE | -0.16 (29) | -0.18 (29) | -0.18 (29) | -0.18 (29) | -0.35 (29) | -0.31 (29) | м | | 0.013 |
| Mode Disc Disc <thdis< th=""> Disc Disc D</thdis<> | 0 | 0.17 (35) | 0.13 (35) | 0.16 (35) | 0.17 (35) | 0.14 (39) | 0.03 (39) | 1 | | 0.013 | 0 | 0.36(22) | 0.38 (22) | 0.28 (22) | 0.33 (22) | 0.29 (26) | 0.28 (26) | | | 0.013 |
| Mage Mark Control Solution Solu | - | 0.09(11) | 0.04 (11) | 0.11 (11) | 0.13 (11) | 0.09(12) | 0.06(12) | н | | | | 0.07 (25) | 0.05 (25) | 0.08 (25) | 0.09 (25) | 0.08 (27) | 0.03 (27) | н | | |
| 100 100 <td>- Ba</td> <td>0.02 (44)</td> <td>-0.00 (45)</td> <td>0.03 (44)</td> <td>0.02 (45)</td> <td>-0.02 (46)</td> <td>-0.02 (47)</td> <td>M</td> <td></td> <td>-</td> <td>Par</td> <td>0.04 (25)</td> <td>-0.00 (26)</td> <td>0.05 (25)</td> <td>0.03 (26)</td> <td>-0.02 (26)</td> <td>0.01 (27)</td> <td>M</td> <td></td> <td></td> | - Ba | 0.02 (44) | -0.00 (45) | 0.03 (44) | 0.02 (45) | -0.02 (46) | -0.02 (47) | M | | - | Par | 0.04 (25) | -0.00 (26) | 0.05 (25) | 0.03 (26) | -0.02 (26) | 0.01 (27) | M | | |
| 1 | -00 | 0.27 (26) | 0.24 (26) | 0.20 (26) | 0.18 (26) | 0.06 (28) | 0.17 (28) | | | 0.010 | 1-002 | 0.23 (31) | 0.18 (31) | 0.14 (31) | 0.13 (31) | -0.04 (33) | 0.08 (33) | | \checkmark | 0.010 |
| 355-mm AOT 532-mm | 35 | 55-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | | • | | .1 | 355-nm AOT | 532-nm AOT | 355-nm Ext | 532-nm Ext | 355-nm Bsc | 532-nm Bsc | 1- | • | |
| 0.40 0.24 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.25 0.35 0.26 0.25 0.25 0.35 0.26 0.24 0.22 0.24 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.25 0.53 0.26 0.24 0.02 0.24 0.02 0.24 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.00 0.44 0.28 0.22 0.21 0.44 0.22 0.22 0.22 0.22 0.22 0.22 0.23 0.05 0.11 0.44 0.23 0.11 0.23 0.15 1.1 0.22 0.22 0.22 0.23 0.05 0.11 0.42 1.16 | 31 | 55-nm AOT | 532-pm AOT | 355-nm Ext | 532-pm Ext | 355-pm Bec | 532-nm Bcc | | | | | 355-pm AOT | 532-pm AOT | 355-pm Ext | 532-pm Ext | 355-pm Bec | 532.nm Bec | | | |
| 1 0.01 0.05 (L3) 0.05 (L3) </td <td>5.</td> <td>0 40 (27)</td> <td>0.30 (28)</td> <td>0.39 (27)</td> <td>0.36 (28)</td> <td>0.39 (30)</td> <td>0.44 (31)</td> <td>н</td> <td></td> <td></td> <td>[</td> <td>0.28 (22)</td> <td>0.17 (23)</td> <td>0.26 (22)</td> <td>0.22 (23)</td> <td>0.25 (25)</td> <td>0.35 (26)</td> <td>н</td> <td></td> <td></td> | 5. | 0 40 (27) | 0.30 (28) | 0.39 (27) | 0.36 (28) | 0.39 (30) | 0.44 (31) | н | | | [| 0.28 (22) | 0.17 (23) | 0.26 (22) | 0.22 (23) | 0.25 (25) | 0.35 (26) | н | | |
| 2 0.05 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) 0.01 (12) <th0.01 (1<="" td=""><td>the second secon</td><td>0.04 (41)</td><td>-0.06 (41)</td><td>-0.05 (41)</td><td>-0.05 (41)</td><td>-0.05 (44)</td><td>-0 11 (44)</td><td>M</td><td></td><td>0.010</td><td>T km</td><td>-0.00 (44)</td><td>-0.02 (44)</td><td>-0.00 (44)</td><td>-0.00 (44)</td><td>0.02 (47)</td><td>-0.04 (47)</td><td>M</td><td></td><td>0.010</td></th0.01> | the second secon | 0.04 (41) | -0.06 (41) | -0.05 (41) | -0.05 (41) | -0.05 (44) | -0 11 (44) | M | | 0.010 | T km | -0.00 (44) | -0.02 (44) | -0.00 (44) | -0.00 (44) | 0.02 (47) | -0.04 (47) | M | | 0.010 |
| 0.46 (3) 0.34 (12) 0.35 (12) 0.46 (12) 0.36 (12) 0.46 (12) 0.36 (12) 0.46 (12) 0.36 (12) 0.46 (12) 0.36 (12) 0.46 (12) 0.36 (12) 0.46 (12) <th0.46 (12)<="" th=""> 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) 0.46 (12) <th0< td=""><td>P .</td><td>0.32 (13)</td><td>0.26 (13)</td><td>0.30 (13)</td><td>0.32 (13)</td><td>0.24 (13)</td><td>0.18 (13)</td><td>1</td><td></td><td></td><td>F.</td><td>0.28 (15)</td><td>0.20 (15)</td><td>0.20 (15)</td><td>0.22 (15)</td><td>0.07 (15)</td><td>0.05 (15)</td><td>1</td><td></td><td></td></th0<></th0.46> | P . | 0.32 (13) | 0.26 (13) | 0.30 (13) | 0.32 (13) | 0.24 (13) | 0.18 (13) | 1 | | | F. | 0.28 (15) | 0.20 (15) | 0.20 (15) | 0.22 (15) | 0.07 (15) | 0.05 (15) | 1 | | |
| 0.37 (12) 0.33 (12) 0.31 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.33 (13) 0.32 (13) 0.43 (13) <t< td=""><td></td><td>0.46 (33)</td><td>0.34 (34)</td><td>0.45 (33)</td><td>0.40 (34)</td><td>0.32 (36)</td><td>0.42 (37)</td><td>н</td><td></td><td></td><td>p</td><td>0.41 (20)</td><td>0.26 (21)</td><td>0.43 (20)</td><td>0.38 (21)</td><td>0.44 (23)</td><td>0.48 (24)</td><td>5</td><td></td><td></td></t<> | | 0.46 (33) | 0.34 (34) | 0.45 (33) | 0.40 (34) | 0.32 (36) | 0.42 (37) | н | | | p | 0.41 (20) | 0.26 (21) | 0.43 (20) | 0.38 (21) | 0.44 (23) | 0.48 (24) | 5 | | |
| 1 0.37 (15) 0.33 (15) 0.33 (15) 0.33 (15) 0.33 (15) 0.33 (15) 0.33 (15) 0.33 (17) 0.34 (17) 0.24 (17) 0.24 (17) 0.44 (16) 0.44 (15) 0.44 (15) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (17) 0.44 (| S5 h | 0.07 (32) | -0.09 (32) | -0.10(32) | 0 10 (32) | -0.09 (35) | -0.15 (35) | M | | 0.013 | 25 hf | -0.04 (44) | -0.05 (44) | -0.05 (44) | -0.05 (44) | -0.05 (47) | -0.11 (47) | M | | 0.013 |
| 1 0.32 (11) 0.33 (12) 0.33 (13) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (14) 0.34 (15) 0.34 (15) 0.34 (15) 0.34 (15) 0.34 (15) 0.34 (15) 0.44 (| Ld 92 | 0.37 (16) | 0.33 (16) | 0.33 (16) | 0.33 (16) | 0.23 (16) | 0.19(16) | 1 | | | Td 92 | 0.37 (17) | 0.33 (17) | 0.34 (17) | 0.34 (17) | 0.24 (17) | 0.20 (17) | | | |
| 0.83 (7) 0.67 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.77 (7) 0.80 (7) 0.77 (7) 0.72 (7) 0.74 (7) 0.72 (7) | ~ | 0.37 (14) | 0.26 (14) | 0.34 (14) | 0.34 (14) | 0.34 (16) | 0.25 (16) | н | | | ~ | 0.44 (10) | 0.36 (10) | 0.48 (10) | 0.47 (10) | 0.53 (12) | 0.41 (12) | L. | | |
| 0.00 (1) 0.04 (1) 0.02 (1) 0.01 (1) 0.03 (1) 0.02 (1) 0.02 (1) 0.01 (1) 0.03 (1) 0.02 (1) 0.02 (1) 0.01 (1) 0.03 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.02 (1) 0.03 (1) 0.02 (1) 0.03 (1) 0.02 (1) 0.03 (1) 0.02 (1) 0.00 (1) 0.04 (1) 0.04 (1) 0.04 (1) 0.05 (1) | 8 | 0.83 (7) | 0.87 (7) | 0.80 (7) | 0.78 (7) | 0.76 (8) | 0.80 (8) | M | | 0.020 | 100 | 0.46 (15) | 0.39 (15) | 0.47 (15) | 0.44 (15) | 0.42 (16) | 0.41 (12) | M | | 0.020 |
| -0.52 (f) 0.51 (f) 0.52 (f) | 00 | 0.47 (11) | 0.43(11) | 0.49(11) | 0.37(11) | 0.50(11) | 0.49(11) | 1 | | ť | 200- | 0.18 (7) | 0.16(7) | 0.20 (7) | 0.10(7) | 0.36(7) | -0.44 (7) | | | ť |
| 0.52 (0) 0.53 (0) 0.55 (17) 0.60 (16) 0.55 (16) 0.61 (17) 0.60 (17) | - | -0.52 (6) | 0.18 (6) | 0.94 (6) | 0.97 (6) | 0.84 (8) | 0.93 (8) | н | | ficier | ~ | -0.86 (7) | -0.72 (7) | -0.74 (7) | -0.72 (7) | 0.02 (9) | -0.39 (9) | L. | | ficier |
| 0.02 (1) 0.03 (1) | 8 | 0.52 (0) | 0.48 (17) | 0.55 (17) | 0.52 (17) | 0.59 (18) | 0.52 (18) | M | - | 0.040 | 1 00 L | 0.60 (16) | 0.54 (16) | 0.60 (16) | 0.56 (16) | 0.61 (17) | 0.60 (17) | м | | 0.040 |
| 0.02 (f) 0.03 (f) 0.03 (f) 0.03 (f) 0.03 (f) 0.03 (f) 0.03 (f) 0.02 (f) 0.03 (f) 0.02 (f) 0.03 (f) 0.02 (f) 0.02 (f) 0.03 (f) 0.02 (f) 0.03 (f) 0.02 (f) 0.02 (f) 0.03 (f) 0.02 (f) 0.03 (f) 0.02 (f) 0.03 (f) 0.02 (f) 0.03 (f) 0.02 (f) | 20-5 | 0.02 (9) | -0.08 (9) | 0.09 (9) | -0.11 (9) | 0.72 (9) | 0.39 (9) | | | ou | 50-5 | 0.02 (9) | -0.08 (9) | 0.09 (9) | -0.11 (9) | 0.72 (9) | 0.39 (9) | | | uo |
| 0.35 (3) 0.25 (40) 0.32 (3) 0.10 (10) 0.03 (10) 0.03 (10) 0.03 (10) 0.05 (42) 0.03 (10) 0.05 (10) | <u>~</u> | 0.30 (9) | 0.23 (10) | 0.03(9) | 0.10(10) | -0.15 (9) | -0.09(10) | н | | elati | 2 | 0.12 (15) | 0.08(16) | 0.05(15) | 0.03 (16) | -0.02 (15) | -0.00(16) | | | elati |
| | 8 | 0.03 (40) | -0.05 (40) | -0.03 (40) | -0.03 (40) | -0.05 (3) | -0.05 (10) | M | | Corr | 00 L | -0.05 (42) | -0.07 (42) | -0.04 (42) | -0.04 (42) | -0.02 (15) | -0.00 (10) | M | | inf D |
| 0 0 45 (22) 0 45 (22) 0 45 (22) 0 25 (24) 0 25 (24) 0 25 (24) 0 25 (24) 0 25 (24) 0 25 (24) 0 25 (25) 0 25 | 20-7 | 0.05 (40) | 0.42 (22) | 0.45 (22) | 0.42 (22) | 0.36 (34) | 0.22 (24) | | | uos | 50-7 | -0.03 (42) | 0.27 (24) | 0.47 (24) | 0.44 (24) | 0.25 (25) | 0.35 (25) | | | uos |
| | ° – | 0.43 (32) | 0.42 (32) | 0.60 (11) | 0.43 (32) | 0.50 (34) | 0.55 (34) | | | ear | ~ | 0.56 (7) | 0.37 (24) | 0.47 (24) | 0.44 (24) | 0.23 (23) | 0.25 (25) | | | ear |
| y 0.53 (1) 0.42 (11) 0.00 (11) 0.53 (11) 0.06 (11) 0.05 (11) 0.05 (11) 0.50 (1) 0.5 | dex | 0.55 (11) | 0.42 (11) | 0.60 (11) | 0.51 (11) | 0.68 (11) | 0.65 (11) | | | E E | dex | 0.56 (7) | 0.42 (7) | 0.65 (7) | 0.56(7) | 0.73 (7) | 0.66 (7) | | | E |
| | 2 | 0.29 (9) | 0.02 (13) | 0.39(13) | 0.30 (13) | 0.46 (13) | 0.37 (13) | 141 | - | 0.040 E | μ¥- | 0.05 (13) | 0.10 (7) | 0.11 (7) | 0.05 (18) | 0.03 (0) | 0.03(19) | | | 0.040 E |
| | - | 0.36(6) | 0.31 (8) | 0.40 (8) | 0.39(8) | 0.44 (11) | 0.22 (11) | | | valu | ł | -0.06 (7) | -0.19(7) | -0.11(7) | -0.15 (7) | -0.03 (9) | -0.31 (9) | 5 | | valu |
| | Alt | 0.17 (19) | -0.19 (19) | -0.14 (19) | -0.14 (19) | -0.04 (20) | -0.17 (20) | | | d. | Alt | -0.18 (21) | -0.20 (21) | -0.15 (21) | -0.16 (21) | -0.03 (22) | -0.18 (22) | | | ď. |
| | 1 I | 0.10 (36) | 0.10 (36) | 0.10 (36) | 0.17 (36) | 0.07 (38) | 0.12 (38) | IVI | | 0.020 | Ľ | 0.16 (40) | 0.16 (40) | 0.16 (40) | 0.17 (40) | 0.06 (42) | 0.11 (42) | IMI | | 0.020 |
| 0.52 (20) 0.42 (21) 0.52 (20) 0.27 (21) 0.52 (22) 0.26 (23) 0.26 (23) 0.26 (23) 0.26 (24) 0.26 (25) 0.26 (| | 0.50 (20) | 0.10(27) | 0.32 (20) | 0.27 (27) | 0.28 (29) | 0.28 (30) | | | | | 0.34 (20) | 0.24 (21) | 0.56 (20) | 0.33 (21) | 0.55 (25) | 0.52 (24) | 5 | | |
| $ \begin{array}{c} 0.65(20) \\ 0.47(21) \\ 0.65(20) \\ 0.47(21) \\ 0.65(22) \\ 0.40(23) \\ 0.55(22) \\ 0.40(23) \\ 0.55(22) \\ 0.49(23) \\ 0.57(24) \\ 0.57(25) \\ H \end{array} $ | ¥- | 0.05 (20) | 0.47 (21) | 0.68 (20) | 0.60 (21) | 0.61 (22) | 0.64 (23) | н | | | H. | 0.49 (22) | 0.40 (23) | 0.55 (22) | 0.49 (23) | 0.57 (24) | 0.57 (25) | | | |
| \$ 0.04 (20) 0.07 (41) 0.07 (41) 0.07 (41) 0.07 (41) | 3 | 0.04 (29) | -0.04 (29) | -0.06 (29) | -0.07 (29) | -0.17 (29) | -0.12 (29) | M | | 0.013 | 3 | -0.05 (41) | -0.07 (41) | -0.07 (41) | -0.07 (41) | -0.14 (44) | -0.12 (44) | M | | 0.013 |
| δ -0.04 (29) -0.06 (29) -0.07 (29) -0.17 (29) -0.12 (29) M -0.013 δ -0.05 (41) -0.07 (41) -0.07 (41) -0.14 (44) -0.12 (24) M 0.16 (23) 0.14 (23) 0.15 (23) 0.14 (24) 0.04 (24) 0.013 δ -0.05 (41) -0.07 (41) -0.07 (41) -0.12 (24) M -0.013 δ -0.013 0 -0.013 0 -0.013 0 -0.013 0 -0.013 0 -0.013 0 -0.013 0 -0.014 -0.013 0 -0.013 0 -0.013 0 -0.014 -0 | - | 0.10 (32) | 0.15 (32) | 0.14 (32) | 0.15 (32) | 0.14 (36) | 0.04 (36) | | | | ł | 0.34 (18) | 0.55 (18) | 0.30 (18) | 0.04 (18) | 0.24 (19) | 0.26 (19) | 5 | | |
| δ -0.04 (29) -0.04 (29) -0.06 (29) -0.07 (29) -0.17 (29) -0.12 (29) M -0.013 δ -0.07 (41) -0.07 (41) -0.07 (41) -0.14 (44) -0.12 (24) M 0.16 (32) 0.13 (32) 0.14 (32) 0.15 (32) 0.14 (36) 0.04 (36) L 0.34 (18) 0.33 (18) 0.30 (18) 0.34 (18) 0.24 (19) 0.28 (19) L 0.16 (32) 0.01 (32) 0.14 (32) 0.15 (32) 0.14 (36) 0.04 (36) L 0.34 (18) 0.33 (18) 0.30 (18) 0.34 (18) 0.24 (19) 0.28 (19) L 0.016 (32) 0.014 (32) 0.015 (32) 0.014 (36) L 0.34 (18) 0.33 (18) 0.30 (18) 0.34 (18) 0.24 (19) 0.28 (19) L | 8 | 0.07 (19) | 0.00 (12) | 0.07 (19) | 0.08 (19) | 0.16 (20) | 0.07 (20) | п | | | a w | 0.07 (19) | 0.06 (13) | 0.07 (19) | 0.08 (13) | 0.16(20) | 0.07 (20) | 1 | | |
| 5 -0.04 (29) -0.04 (29) -0.06 (29) -0.07 (29) -0.17 (29) -0.12 (29) M -0.013 5 -0.07 (41) -0.07 (41) -0.07 (41) -0.14 (44) -0.12 (24) M 0.16 (32) 0.13 (32) 0.14 (32) 0.15 (32) 0.14 (36) 0.04 (36) L 0.34 (18) 0.33 (18) 0.30 (18) 0.34 (18) 0.24 (19) 0.28 (19) L 0.07 (19) 0.06 (19) 0.07 (19) 0.08 (19) 0.16 (20) 0.07 (20) H 0.07 (19) 0.06 (19) 0.07 (19) 0.08 (19) 0.16 (20) 0.07 (20) H | a . | 1 | 0.00(35) | 1115 (34) | 1104(35) | -0.05(Kb) | | | _ | | | 0.04/201 | 0 00 (40) | | 1 1 1 1 1 1 1 1 1 1 1 | | | | | |
| 5 -0.04 (29) -0.04 (29) -0.06 (29) -0.07 (29) -0.17 (29) -0.12 (29) M -0.013 5 -0.05 (41) -0.07 (41) -0.07 (41) -0.07 (41) -0.07 (41) -0.07 (41) -0.14 (44) -0.12 (24) M 0.16 (32) 0.13 (32) 0.14 (32) 0.15 (32) 0.14 (36) 0.04 (36) L 0.34 (18) 0.33 (18) 0.30 (18) 0.34 (18) 0.24 (19) 0.28 (19) L 0.07 (19) 0.06 (19) 0.07 (19) 0.08 (19) 0.16 (20) 0.07 (20) H 0.07 (19) 0.06 (19) 0.07 (19) 0.08 (19) 0.16 (20) 0.07 (20) H 0.04 (34) 0.00 (35) 0.05 (34) 0.05 (36) 0.01 (37) M 0.01 (37) M 0.01 (37)< | 00-hP | 0.04 (04) | 0.21 (20) | 0.17 (30) | 0.16 (30) | 0.05 (30) | 0.14 (20) | 1. | | 0.010 | 94-00 | 0.04 (39) | 0.00 (40) | 0.05 (39) | 0.04 (40) | -0.04 (41) | -0.01 (42) | M | 7 | 0.010 |

Figure S8: As in Fig. S1 but using maximum APR-3 Ku-/Ka-band dual-frequency ratio (DFR) as the convective parameter.