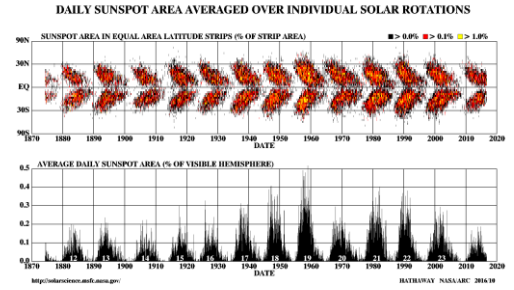


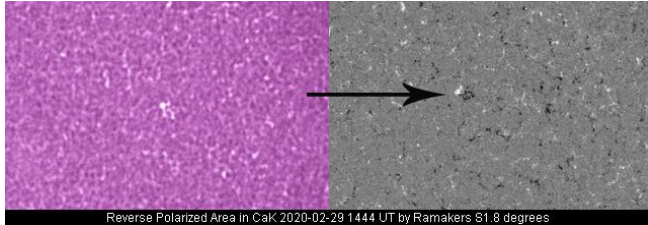
**Summary of Reverse Polarized Areas during C24/C25 Minimum**

Reversed Polarized Images courtesy SDO NASA  
HMIB archive.

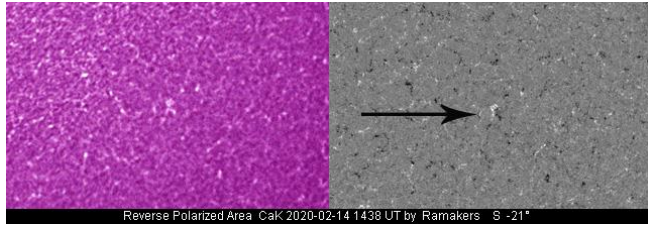
2019 - Theo Ramakers, Assistant Coordinator ALPO Solar Section



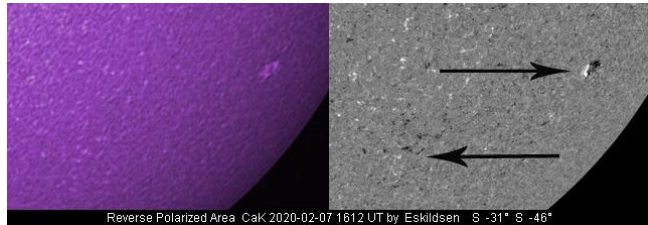
Graph 1, Sunspot locations butterfly diagram, Dr. David Hathaway, NASA SolarScience



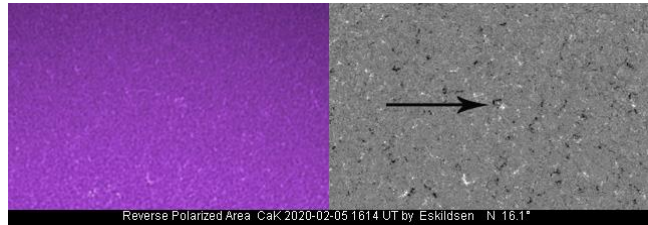
2020-02-29 reversed polarized CaK area by Ramakers S 1.8 °



2020-02-14 reversed polarized CaK area by Ramakers S 21 °



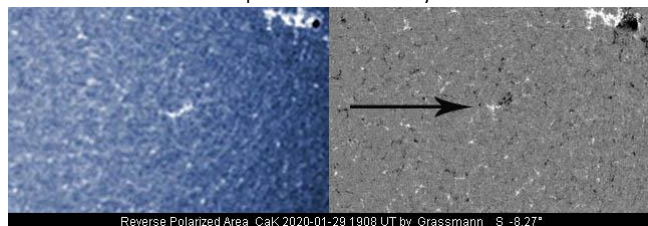
2020-02-07 reversed polarized CaK area by Eskildsen S 31.9 ° S 46 °



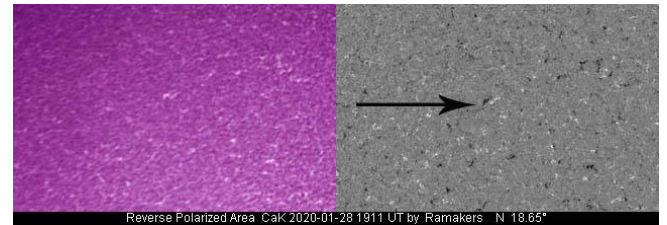
2020-02-05 reversed polarized CaK area by Eskildsen N 16.1 °



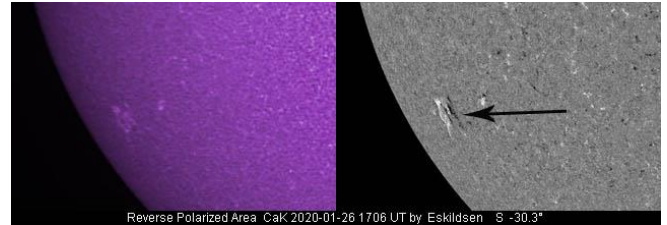
2020-01-29 reversed polarized CaK area by Grassmann N 44.3 °



2020-01-29 reversed polarized CaK area by Grassmann S 8.3 °



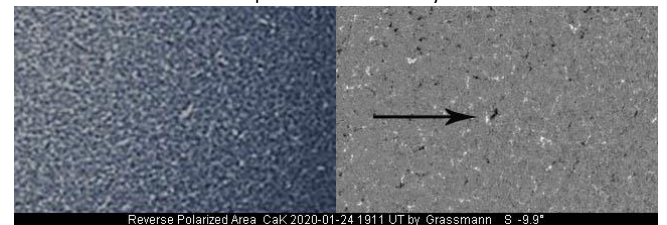
2020-01-28 reversed polarized CaK area by Ramakers N 18.65 °



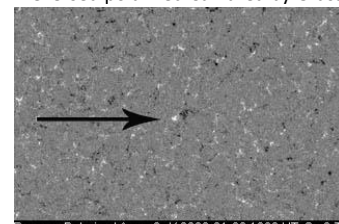
2020-01-26 reversed polarized CaK area by Eskildsen S 30.3 °



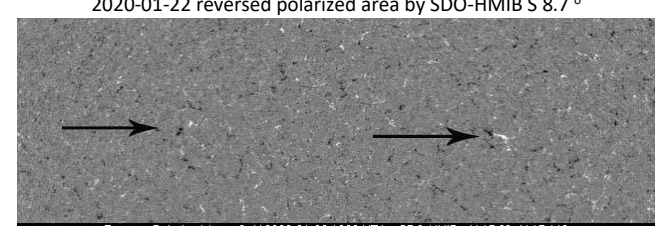
2020-01-24 reversed polarized CaK area by Grassman S 45.2 °



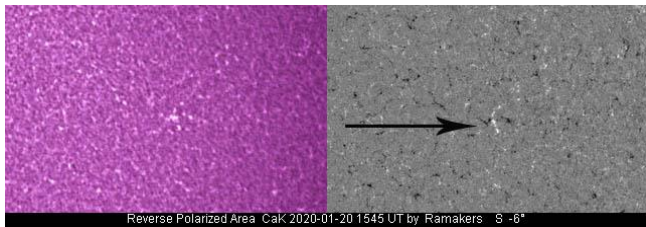
2020-01-24 reversed polarized CaK area by Grassman S 9.9 °



2020-01-22 reversed polarized area by SDO-HMIB S 8.7 °



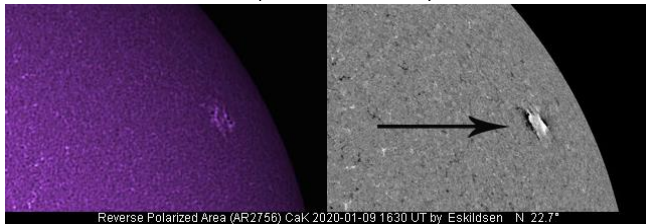
2020-01-22 reversed polarized area by SDO-HMIB N 17.9 ° N17.11 °



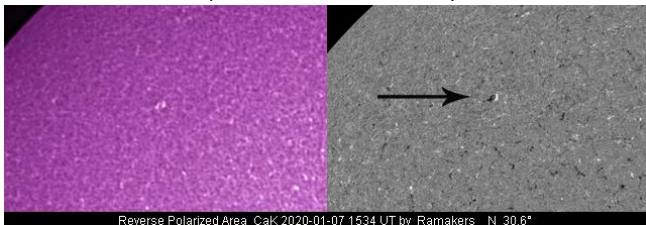
2020-01-20 reversed polarized Ha area by Ramakers S 6°



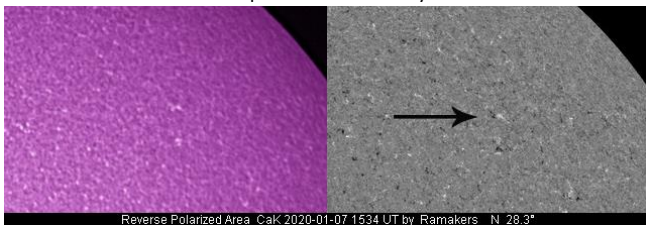
2020-01-20 reversed polarized Ha area by Ramakers N 17°



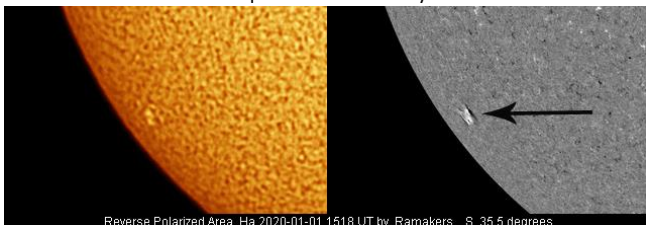
2020-01-09 reversed polarized Ha area AR2756 by Ramakers N 22.69°



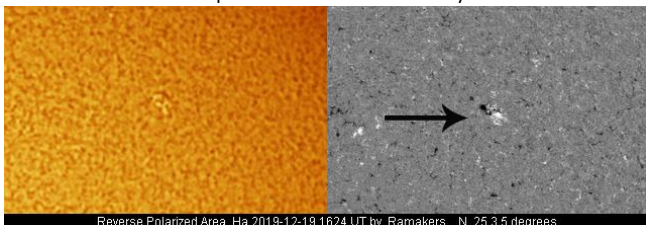
2020-01-07 reversed polarized Ha area by Ramakers N 30.6°



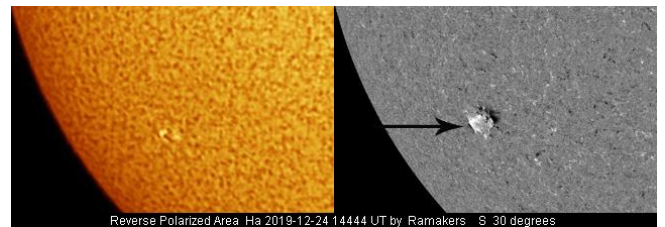
2020-01-07 reversed polarized Ha area by Ramakers N 28.3°



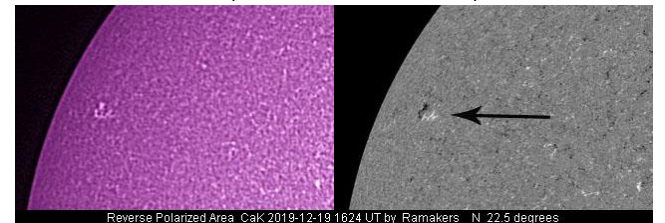
2020-01-01 reversed polarized Ha area AR2755 by Ramakers S 35.5°



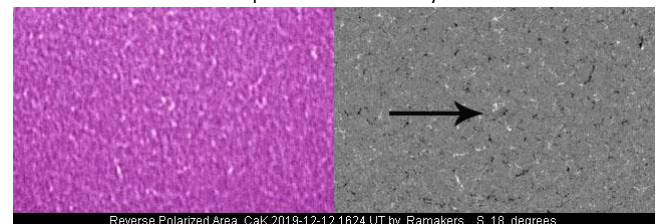
2019-12-24 reversed polarized Ha area AR2754 by Ramakers N 25.3°



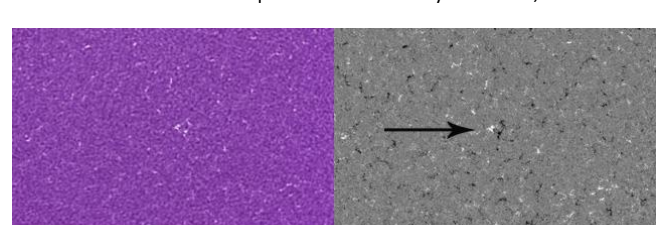
2019-12-24 reversed polarized Ha area AR2753 by Ramakers S 30°



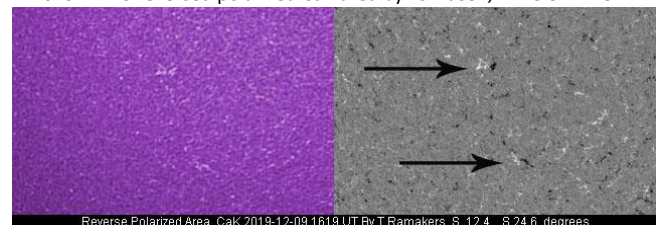
2019-12-19 reversed polarized CaK area by Ramakers N 22.5°



2019-12-12 reversed polarized CaK area by Ramakers, S 18°



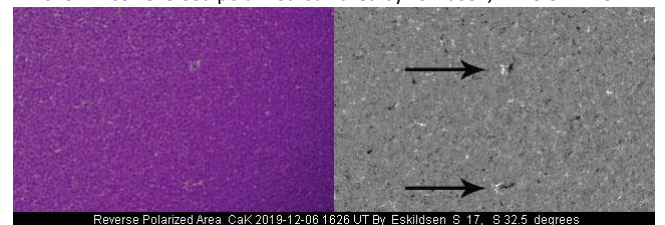
2019-12-10 reversed polarized CaK area by Eskildsen, N 23.5° N 31°



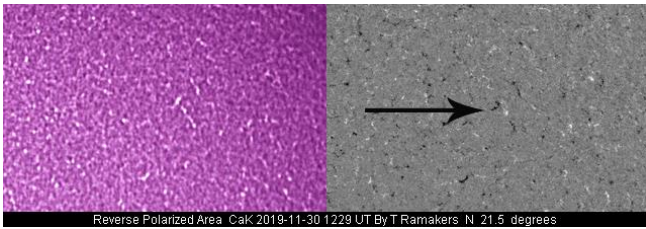
2019-12-09 reversed polarized CaK area by Eskildsen, S 24.6° S12.4°



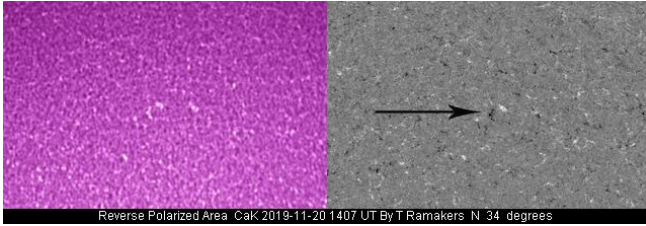
2019-12-09 reversed polarized CaK area by Eskildsen, N 23.5° N 31°



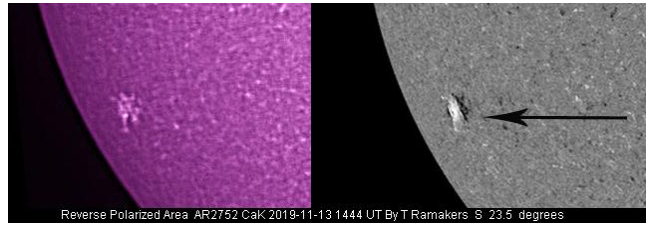
2019-12-06 reversed polarized CaK area by Eskildsen, N 23.5° N 31°



Reverse Polarized Area CaK 2019-11-30 1229 UT By T Ramakers N 21.5 degrees  
2019-11-30 reversed polarized CaK area by Ramakers, N 21.5 °



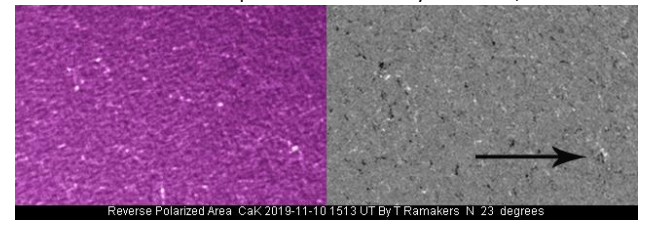
Reverse Polarized Area CaK 2019-11-20 1407 UT By T Ramakers N 34 degrees  
2019-11-20 reversed polarized CaK area by Ramakers, N 34 °



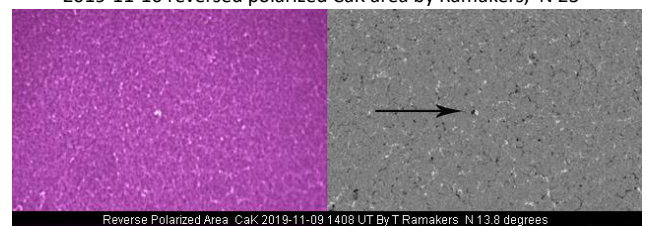
Reverse Polarized Area AR2752 CaK 2019-11-13 1444 UT By T Ramakers S 23.5 degrees  
2019-11-13 reversed polarized CaK area AR2752 by Ramakers, S 23.5 °



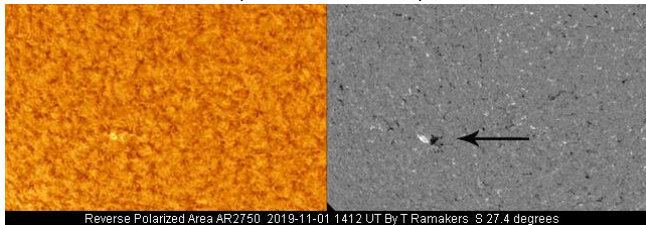
Reverse Polarized Area CaK 2019-11-13 1444 UT By T Ramakers N 33.6 degrees  
2019-11-13 reversed polarized CaK area by Ramakers, N 33.6 °



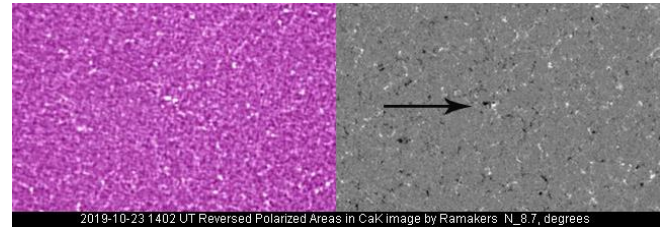
Reverse Polarized Area CaK 2019-11-10 1513 UT By T Ramakers N 23 degrees  
2019-11-10 reversed polarized CaK area by Ramakers, N 23 °



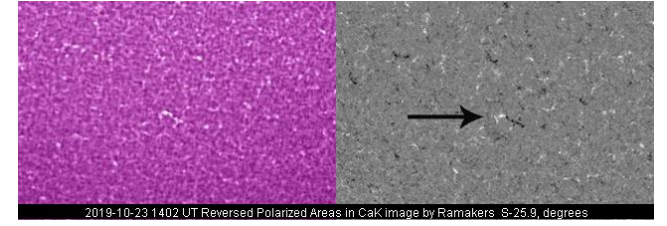
Reverse Polarized Area CaK 2019-11-09 1408 UT By T Ramakers N 13.8 degrees  
2019-11-09 reversed polarized CaK area by Ramakers, N 13.8 °



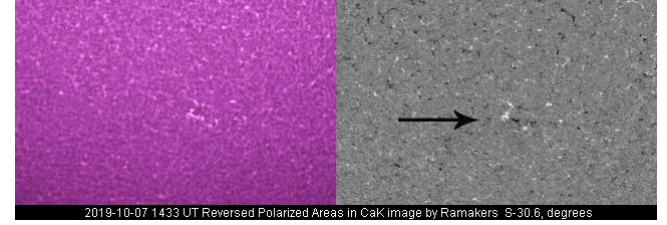
Reverse Polarized Area AR2750 2019-11-01 1412 UT By T Ramakers S 27.4 degrees  
2019-11-01 reversed polarized Ha area AR2750 area by Ramakers, S 27.4 °



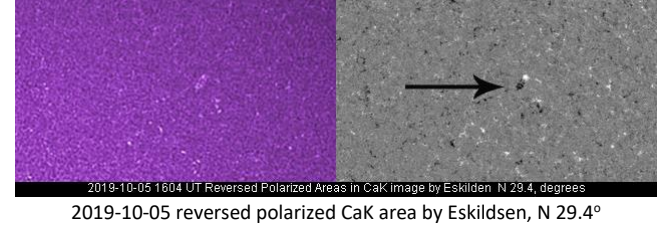
2019-10-23 1402 UT Reversed Polarized Areas in CaK image by Ramakers N 8.7 degrees  
2019-10-23 reversed polarized CaK area by Ramakers, N 8.7 °



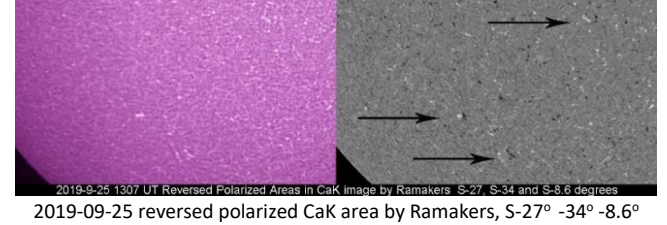
2019-10-23 1402 UT Reversed Polarized Areas in CaK image by Ramakers S-25.9 degrees  
2019-10-23 reversed polarized CaK area by Ramakers, S-25.9 °



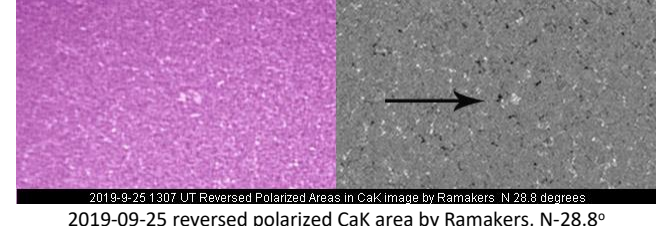
2019-10-07 1433 UT Reversed Polarized Areas in CaK image by Ramakers S-30.6 degrees  
2019-10-07 reversed polarized CaK area by Ramakers, S-30.6 °



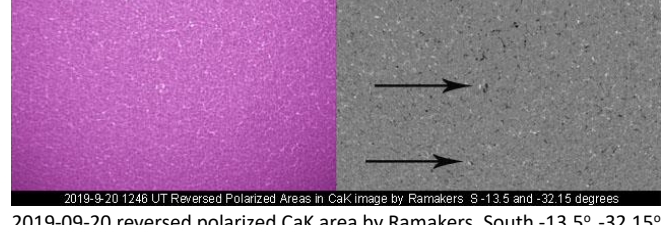
2019-10-05 1604 UT Reversed Polarized Areas in CaK image by Eskildsen N 29.4 degrees  
2019-10-05 reversed polarized CaK area by Eskildsen, N 29.4 °



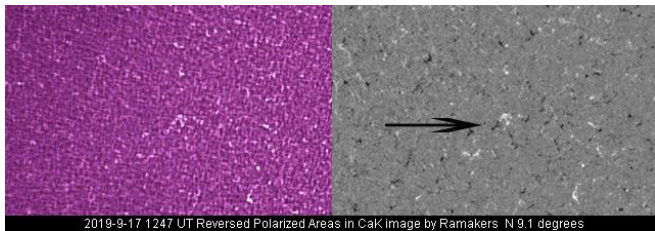
2019-9-25 1307 UT Reversed Polarized Areas in CaK image by Ramakers S-27, S-34 and S-8.6 degrees  
2019-09-25 reversed polarized CaK area by Ramakers, S-27° -34° -8.6°



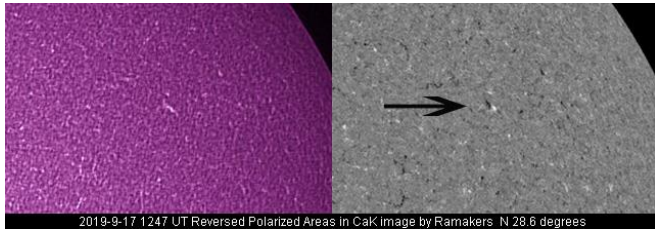
2019-9-25 1307 UT Reversed Polarized Areas in CaK image by Ramakers N 28.8 degrees  
2019-09-25 reversed polarized CaK area by Ramakers, N-28.8°



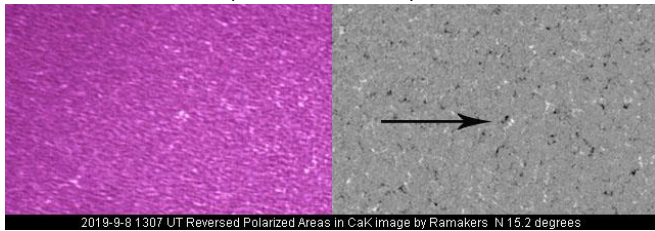
2019-9-20 1246 UT Reversed Polarized Areas in CaK image by Ramakers S-13.5 and -32.15 degrees  
2019-09-20 reversed polarized CaK area by Ramakers, South -13.5° -32.15°



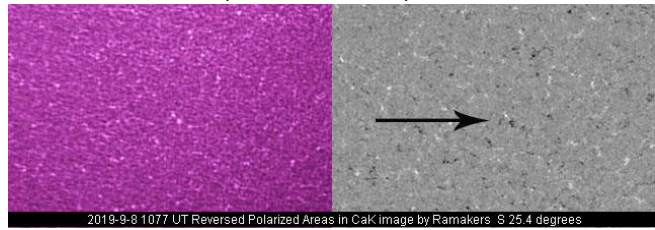
2019-09-17 1247 UT Reversed Polarized Areas in CaK image by Ramakers N 9.1 degrees  
2019-09-17 reversed polarized CaK area by Ramakers, North 9.1°



2019-09-17 1247 UT Reversed Polarized Areas in CaK image by Ramakers N 28.6 degrees  
2019-09-17 reversed polarized CaK area by Ramakers, North 28.6°



2019-09-8 1307 UT Reversed Polarized Areas in CaK image by Ramakers N 15.2 degrees  
2019-09-8 reversed polarized CaK area by Ramakers, North 15.2°



2019-09-8 1077 UT Reversed Polarized Areas in CaK image by Ramakers S 25.4 degrees  
2019-09-8 reversed polarized CaK area by Ramakers, South 25.4°



2019-08-25 1334 UT Reversed Polarized Areas in CaK image by Eskildsen N 32 degrees  
2019-08-25 reversed polarized CaK area by Eskildsen, North 32°



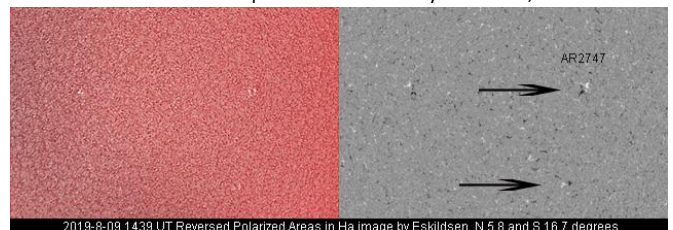
2019-08-21 1428 UT Reversed Polarized Areas in CaK image by Eskildsen N 30.7 degrees  
2019-08-21 reversed polarized CaK area by Eskildsen, North 30.7°



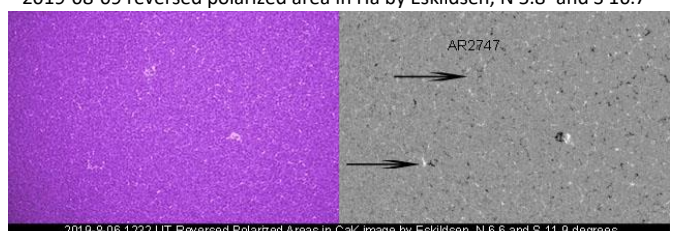
Reverse polarized areas by Ramakers in CaK 2019-08-18 1344 UT North 38, 30, 22, and 20 degrees  
2019-08-18 reversed polarized CaK area by Ramakers, North 38° 30° 22° 20°



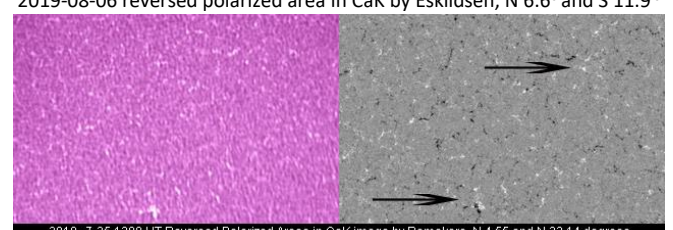
Reverse polarized areas by Ramakers in CaK 2019-08-18 1344 UT South 2 degrees  
2019-08-18 reversed polarized CaK area by Ramakers, South 2°



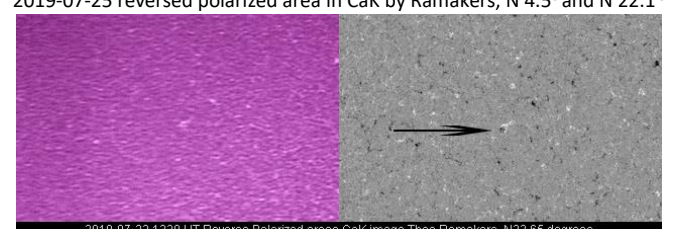
2019-08-09 1430 UT Reversed Polarized Areas in Ha image by Eskildsen N 5.8 and S 16.7 degrees  
2019-08-09 reversed polarized area in Ha by Eskildsen, N 5.8° and S 16.7°



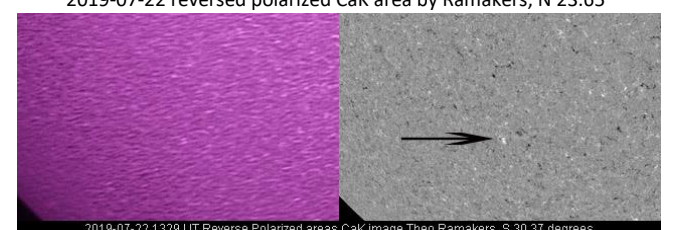
2019-08-06 1232 UT Reversed Polarized Areas in CaK image by Eskildsen N 6.6 and S 11.9 degrees  
2019-08-06 reversed polarized area in CaK by Eskildsen, N 6.6° and S 11.9°



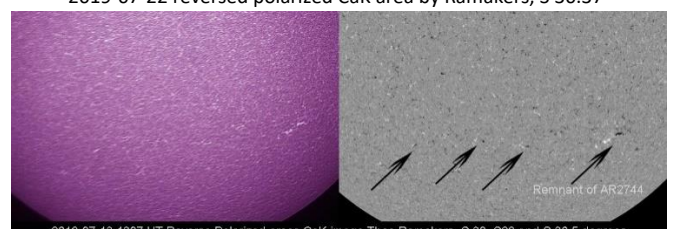
2019-07-25 1309 UT Reversed Polarized Areas in CaK image by Ramakers N 4.55 and N 22.14 degrees  
2019-07-25 reversed polarized area in CaK by Ramakers, N 4.5° and N 22.1°



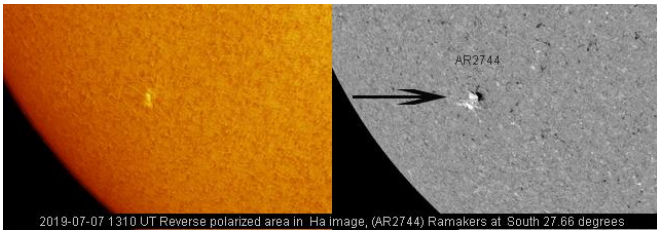
2019-07-22 1329 UT Reverse Polarized areas CaK image Theo Ramakers N23.65 degrees  
2019-07-22 reversed polarized CaK area by Ramakers, N 23.65°



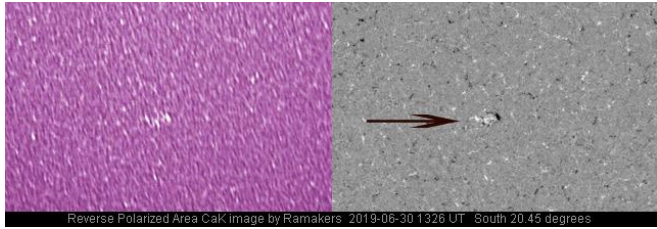
2019-07-22 1329 UT Reverse Polarized areas CaK image Theo Ramakers S 30.37 degrees  
2019-07-22 reversed polarized CaK area by Ramakers, S 30.37°



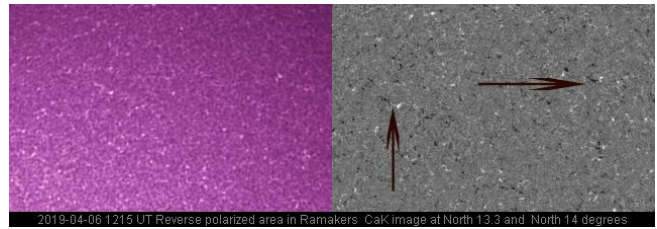
2019-07-13 1307 UT Reverse Polarized areas CaK image Theo Ramakers S 30, S29 and S 30.5 degrees  
2019-07-13 reversed polarized CaK area by Ramakers, South 30° 29° 30.5°



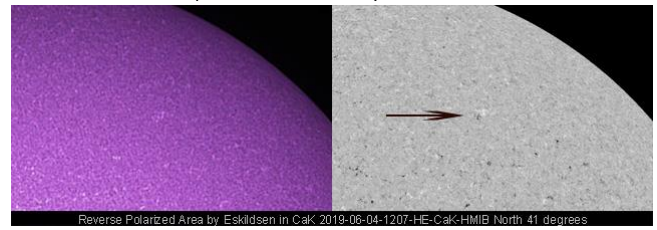
2019-07-07 reversed polarized Ha area AR2744 by Ramakers, South 27.66°



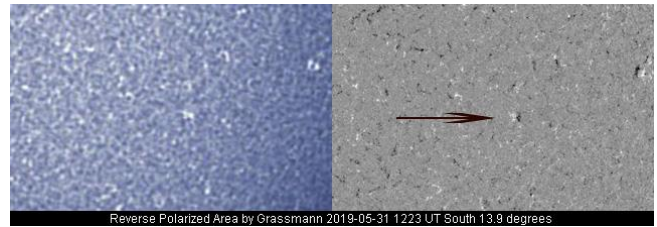
2019-06-30 reversed polarized CaK area by Ramakers, South 20.45°



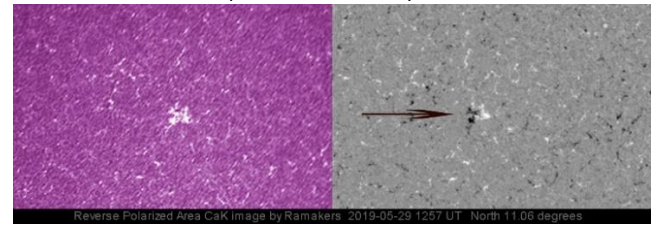
2019-06-20 reversed polarized CaK area by Ramakers, North 33° and 36.5°



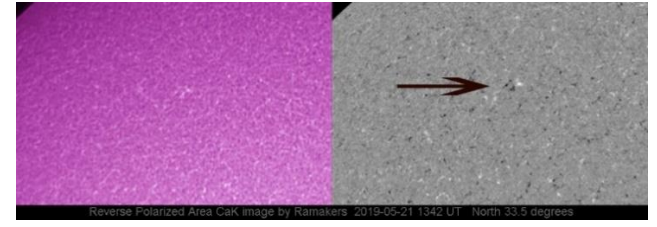
2019-06-04 reversed polarized CaK area by Eskildsen, North 41°



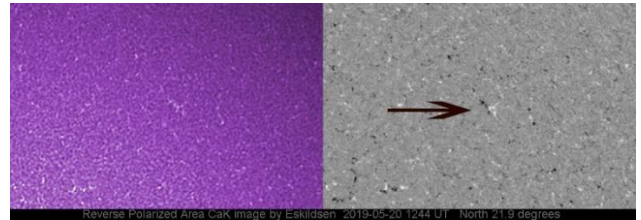
2019-05-31 reversed polarized CaK area by Grassman, South 13.9°



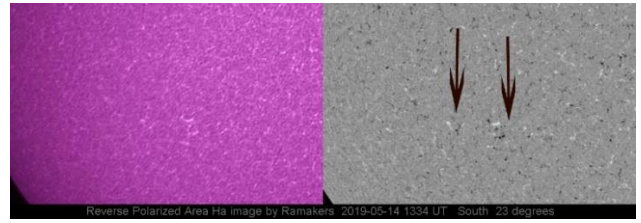
2019-05-29 reversed polarized CaK area by Ramakers, North 11.06°



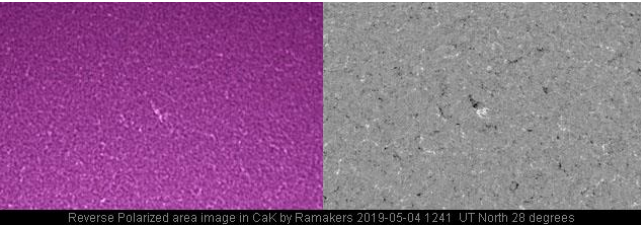
2019-05-21 reversed polarized CaK area by Ramakers, North 33.5°



2019-05-20 reversed polarized CaK area by Eskildsen, North 21.9°



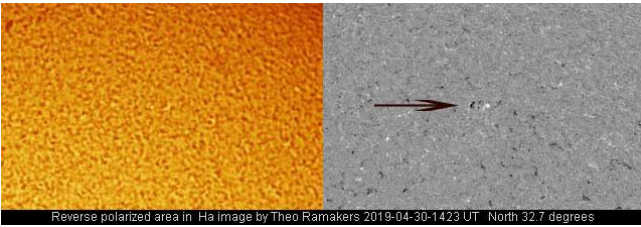
2019-05-14 reversed polarized CaK area by Ramakers, South 23°



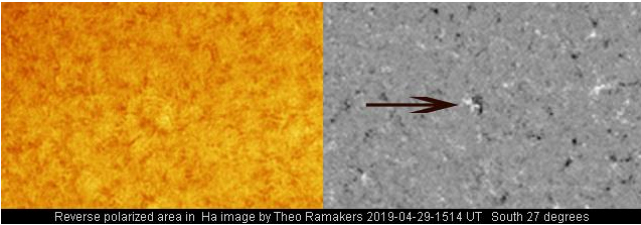
2019-05-04 reversed polarized area by Ramakers, North 27.84°



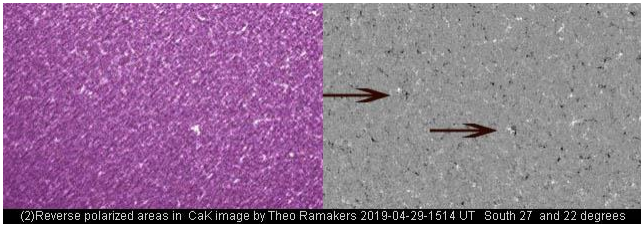
2019-05-02 (3) reversed polarized areas, North 27°, 32.7°, 35°



2019-04-30 reversed polarized area by Ramakers, North 32.7°



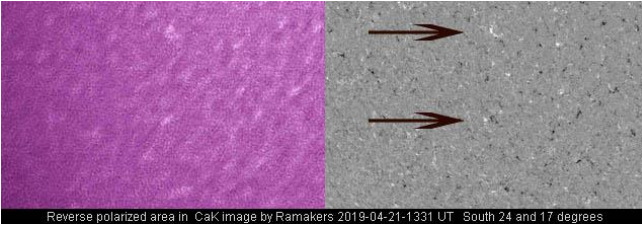
2019-04-29 reversed polarized area by Ramakers, South 27°



2019-04-29 reversed polarized area by Ramakers, South 27° and 22°



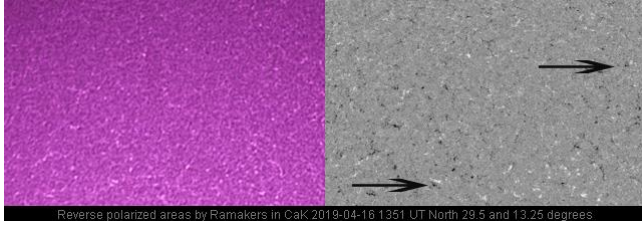
2019-04-25 reversed polarized area by Eskildsen, South 28 °



2019-04-21 reversed polarized area by Ramakers, South 24 ° and 17 °



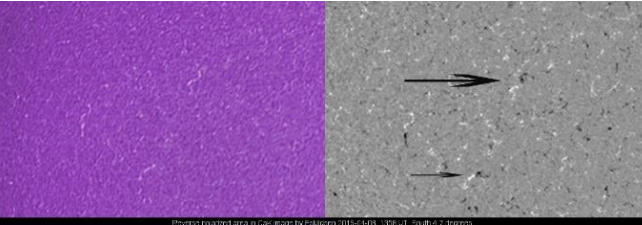
2019-04-20 reversed polarized area by Eskildsen, South 29 °



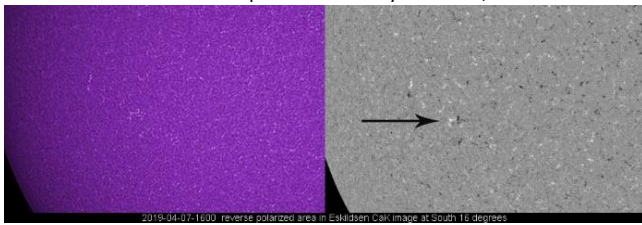
2019-04-16 reversed polarized area by Ramakers, North 29.5 ° - North 13.25 °



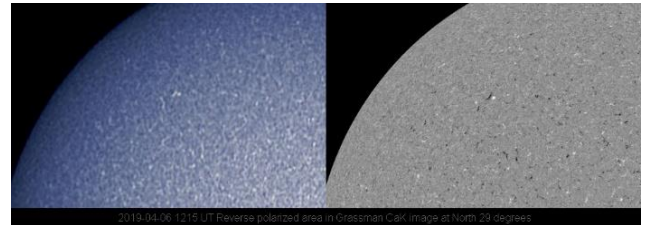
2019-04-15 reversed polarized area by Ramakers, South 41.2 ° - South 29.4 °



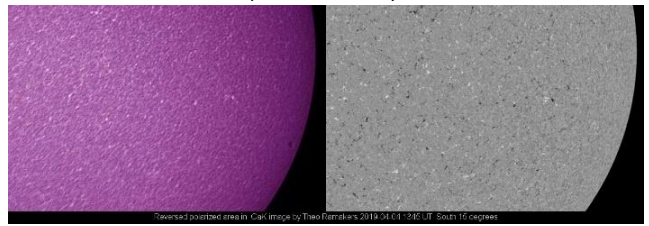
2019-04-08 reversed polarized area by Eskildsen, South 4.7 °



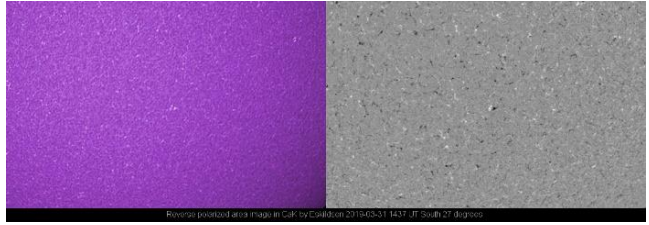
2019-04-07 reversed polarized area by Eskildsen, South 16 °



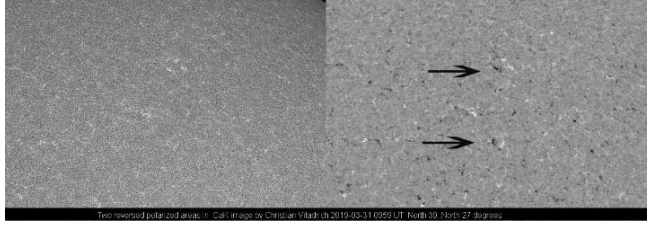
2019-04-06 reversed polarized area by Grassman, North 29 °



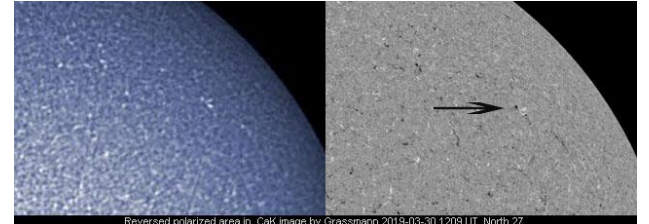
2019-04-04 reversed polarized region by Ramakers, South 15 °



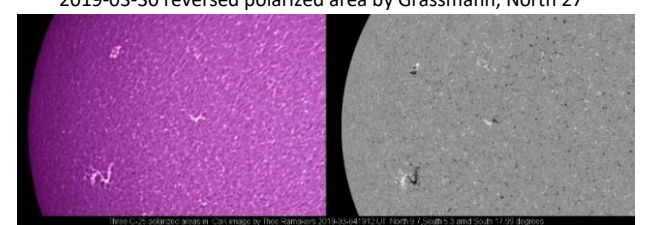
2019-03-31 reverse polarized region in CaK by Eskildsen S 27 °



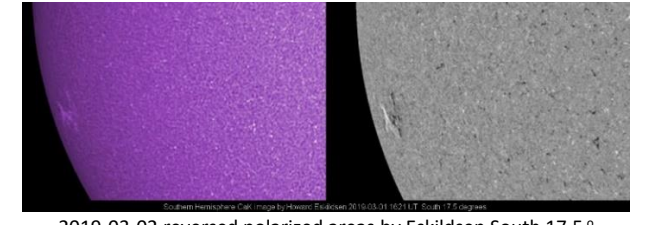
2019-03-31 (2) reversed polarized regions by Viladrich N 39 ° N 27 °



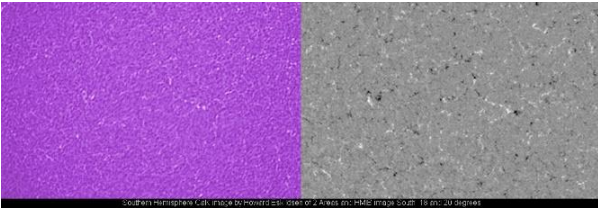
2019-03-30 reversed polarized area by Grassmann, North 27 °



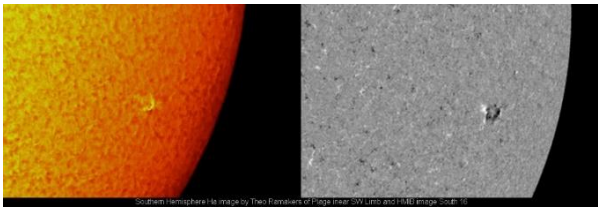
2019-03-04 (2) reversed polarized regions by Ramakers S 9.5 ° S 5.3 °



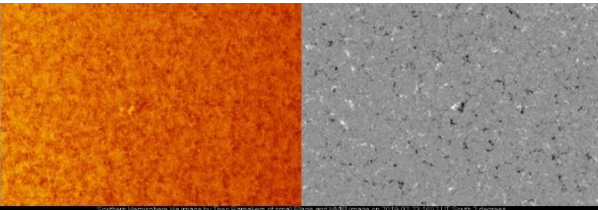
2019-03-02 reversed polarized areas by Eskildsen South 17.5 °



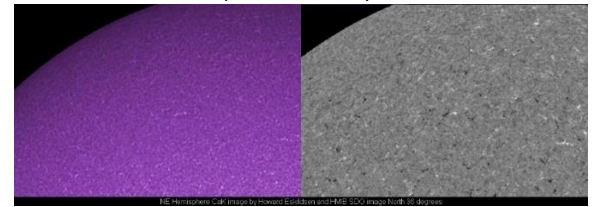
2019-02-17 reversed polarized areas by Eskildsen South 18 and 20 °



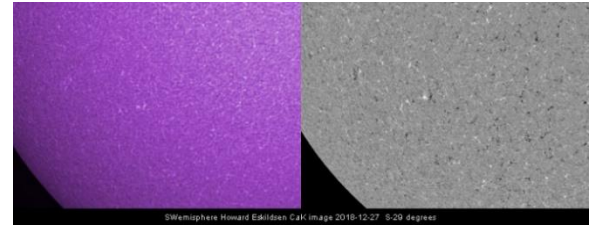
2019-02-13 reverse polarized area by Ramakers, South 16 °



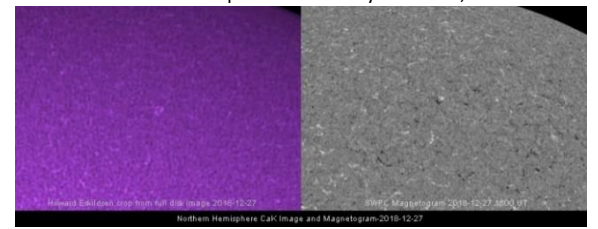
2019-02-13 reverse polarized area by Ramakers, South 2 °



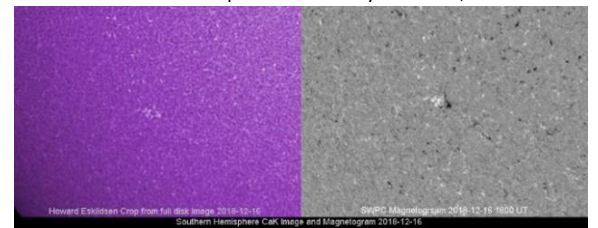
2019-02-12 reverse polarized area by Eskildsen, North 36 °



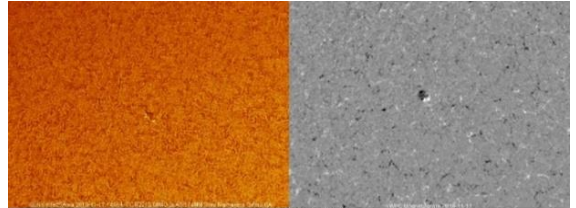
2019-01-02 reversed polarized area by Eskildsen, South 28 °



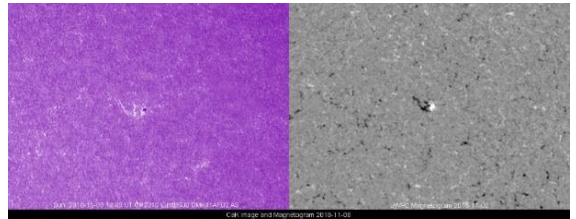
2018-12-27 reversed polarized area by Eskildsen, North 48 °



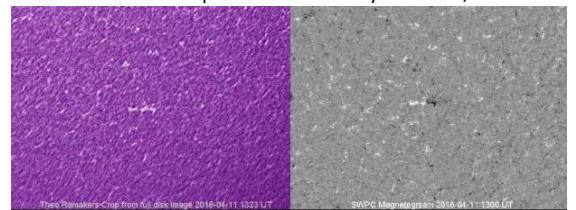
2018-12-16 reversed polarized area by Eskildsen, South 20 °



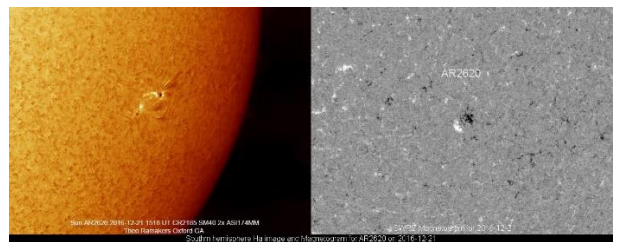
2018-11-17 reversed polarized area by Ramakers, North 27 °



2018-11-08 reversed polarized area on by Eskildsen, North 26 °



2018-04-11 reversed polarized area on by Ramakers, South 31 °



2016-12-21 reversed polarized area AR2620 by Ramakers, South 23 °