| | | MPR | | | | |
|--|------------------------|--------------------------|----------------|--|----------|----------|
| Kjell Inge Malde, Director/Editor Hunsteinstien 42A, N-4083 Hundvaag NORWAY Volume 43 Number 9 MPR no. 506 | | | Web: Email: | http://www.cv-helios.net cvhelios@gmail.com | | |
| | | | eptember 2023 | ISSN 2535-3780 | | |
| | | CV-Helios Net | work | | | |
| | Monthly | Preliminary Report fo | r September 20 | 23 | | |
| | , | Solar Cycle 25: Mont | h no. 46 | | | |
| | Re | oort id.: cv2309 - CV-re | port no.: 506 | | | |
| Memno. | Name | Country | CV | Obs | K | Obs. Tot |
| CV-001 | KJELL INGE MALDE | NORWAY | 129,3 | 17 | 1,135 | 9292 |
| <u>CV-010</u> | FRANKY DUBOIS | BELGIUM | 100,5 | 19 | 0,852 | 9681 |
| <u>2V-019</u> | ELMAR JUNKER | GERMANY | 127,2 | 11 | 1,205 | 3846 |
| CV-023 | HARIMUT BRETSCHNEIDE | GERMANY | 71,0 | 27 | 0,618 | 5912 |
| 2V-040 | ROBERTO BATTAIOLA | IIALY | 110,1 | 10 | 0,932 | 2137 |
| -V-U// | ANDREW JOHNSTON | UNITED KINGDOM | 89,8 | 12 | 0,889 | 3678 |
| V -U8U | JAN JANSSENS | | 113,5 | 20 | 1,004 | 5520 |
| -v-086 | TOS POLAND | POLAND | 112,8 | 20 | 1,000 | 8606 |
| TV 102 | PALILO POPERTO MOSER | PD A 711 | 113,2 | 30 | 0.021 | 3077 |
| TV-102 | ALEXEV RVRACK | RUSSIA | 104,0 | 14 | 1 035 | 3402 |
| V_116 | TERIE RIERKGAARD | NORWAV | 150,9 | 14 | 0.982 | 1035 |
| CV-135 | GEMA ARALIIO | SPAIN | 132.6 | 30 | 1 172 | 7500 |
| TV-136 | FAUSTINO GARCIA | SPAIN | 79.4 | 21 | 0.695 | 3982 |
| | IAVIER ALONSO | SPAIN | 127.9 | 15 | 1 061 | 4129 |
| ZV-151 | JEFFREY CARELS | BELGIUM | 77.4 | 16 | 0.771 | 3246 |
| CV-171 | WALTER JOSE MALUE | BRAZIL | 193.8 | 2.0 | 1,709 | 3010 |
| CV-181 | ADAM DERDZIKOWSKI | POLAND | 107.5 | 26 | 0.987 | 1200 |
| CV-198 | DENIS WALLIAN | FRANCE | 173,5 | 20 | 1,548 | 628 |
| CV-204 | STEFAN MEISTER | SWITZERLAND | 95,7 | 18 | 0,836 | 815 |
| CV-206 | TADEUSZ FIGIEL | POLAND | 80,8 | 9 | 0,820 | 361 |
| CV-207 | ONDREJOV OBS. (AI CAS) | CZECH REPUBLIC | 132,2 | 25 | 1,162 | 3808 |
| CV-208 | JOHAN NEYS | BELGIUM | 124,0 | 8 | 1,123 | 770 |
| CV-214 | IGOR GRAGEDA MENDEZ | BOLIVIA | 97,9 | 29 | 0,851 | 1291 |
| CV-215 | ARNAUD MENGUS | FRANCE | 112,2 | 5 | 0,966 | 355 |
| CV-219 | KANDILLI OBSERVATORY | TURKEY | 104,1 | 27 | 0,874 | 962 |
| CV-220 | MICHEL FRANGEUL | FRANCE | 78,5 | 13 | 0,705 | 179 |
| CV-222 | MILENA NIEMCZYK | POLAND | 116,2 | 23 | 1,087 | 72 |
| | | | | | | |
| | | | | | | |
| | | | | | | ļ |
| | | | | - | ļ | |
| | | | | | | |
| | | | | | | |
| | | | | + | | |
| | | | | + | | |
| | | | | | | |
| | | | | + | | |
| | | | | + | | |
| | | | | + | | |
| | | | | + | | |
| | | | | + | | |
| | | | | + | | |
| | | | | + | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | + | | |
| | | | | | | |
| | Observers | Davs | CV | No | ĸ | |
| Totals | 000011010 | Duys | | 1.0 | | |

114,59

503

1,000

30

28

| Results | | | | | | | | |
|------------------|--------|---------|-------------------|-------------------|-----------|------------|--|--|
| Date | CV | Obsrvrs | Regions 6 rot. | CV-USAF 6-rot. | CV-6 rot. | CV-13 rot. | | |
| 1 | 97,53 | 14 | 7,42 | 116,18 | 118,18 | 107,86 | | |
| 2 | 78,17 | 17 | 7,41 | 116,30 | 117,97 | 107,80 | | |
| 3 | 52,87 | 14 | 7,42 | 116,35 | 117,78 | 107,72 | | |
| 4 | 67,79 | 19 | 7,42 | 116,23 | 117,48 | 107,64 | | |
| 5 | 69,84 | 18 | 7,42 | 115,96 | 117,04 | 107,60 | | |
| 6 | 86,11 | 18 | 7,41 | 115,82 | 116,77 | 107,61 | | |
| 7 | 108,38 | 20 | 7,41 | 115,45 | 116,66 | 107,75 | | |
| 8 | 97,20 | 19 | 7,40 | 115,26 | 116,43 | 107,82 | | |
| 9 | 95,32 | 18 | 7,37 | 115,30 | 116,22 | 107,91 | | |
| 10 | 144,13 | 14 | 7,37 | 115,90 | 116,47 | 108,09 | | |
| 11 | 139,06 | 15 | 7,40 | 116,45 | 116,78 | 108,23 | | |
| 12 | 142,00 | 15 | 7,44 | 117,04 | 117,30 | 108,35 | | |
| 13 | 111,69 | 16 | 7,45 | 117,55 | 117,72 | 108,34 | | |
| 14 | 111,71 | 17 | 7,46 | 118,05 | 118,25 | 108,27 | | |
| 15 | 89,78 | 17 | 7,48 | 118,38 | 118,72 | 108,17 | | |
| 16 | 68,33 | 14 | 7,51 | 118,62 | 119,07 | 108,06 | | |
| 17 | 78,13 | 15 | 7,53 | 118,75 | 119,31 | 108,03 | | |
| 18 | 122,41 | 16 | 7,57 | 119,49 | 119,69 | 108,16 | | |
| 19 | 158,88 | 15 | 7,62 | 120,13 | 120,37 | 108,43 | | |
| 20 | 161,41 | 16 | 7,68 | 120,93 | 121,11 | 108,68 | | |
| 21 | 184,00 | 12 | 7,71 | 121,42 | 121,62 | 108,88 | | |
| 22 | 185,31 | 12 | 7,76 | 121,70 | 122,03 | 109,06 | | |
| 23 | 166,94 | 18 | 7,79 | 122,06 | 122,40 | 109,20 | | |
| 24 | 143,68 | 22 | 7,80 | 122,29 | 122,56 | 109,28 | | |
| 25 | 144,17 | 17 | 7,81 | 122,26 | 122,51 | 109,36 | | |
| 26 | 114,10 | 19 | 7,82 | 122,16 | 122,34 | 109,38 | | |
| 27 | 99,79 | 13 | 7,82 | 121,82 | 122,13 | 109,37 | | |
| 28 | 117,92 | 12 | 7,80 | 121,54 | 122,02 | 109,39 | | |
| 29 | 90,83 | 11 | 7,80 | 121,26 | 121,94 | 109,38 | | |
| 30 | 99,06 | 17 | 7,80 | 121,31 | 122,04 | 109,38 | | |
| | | | | | | | | |
| Totals/ Avrgs | 3,96 | 27,3 | 0,97 | 4,83 | 119,36 | 108,44 | | |



No proton events are expected at geosynchronous orbit.

Sun's farside.

from active regions currently on the visible disk and regions that have produced moderate activity that expected to return from the









| Solar Coordinates | | | | | | | |
|---|---|--|--|--|--|--|--|
| Daily list of Solar Ephemeris available at: | | | | | | | |
| Daily list of Solar Ephemeris and SDO on grid | | | | | | | |
| Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. and adjusted SOHO-picture on grid. | | | | | | | |
| Calculating CV | | | | | | | |
| For your convenience and security, use the mif2021, | NEW form for classifications released soon! | | | | | | |
| https://www.cv-helios.net/mif2021.xlsx | | | | | | | |
| the Monthly Input Form, which you can use for all of your next reportings! | | | | | | | |
| Monitor MPR daily progress | | | | | | | |
| CV-Helios Network: Monitor MPR progress as entries are made! | | | | | | | |
| Monitor your submissions as they are registered: | | | | | | | |
| https://cv-helios.net/helios/cv/web/mprpost.html | | | | | | | |
| The data are available fresh from about 10:00 UTC until local midnight | a | | | | | | |
| Content comprises CV-Report for latest month, CV-Report for latest mo | onth | | | | | | |
| individual results, Extracts from NOAA on forecasts/discussion, | | | | | | | |
| Extracts from NOAA warehouse on SRS and other activity, | | | | | | | |
| Last 24 months CV-data, This month CV acc. to USAF | | | | | | | |
| Registration data | | | | | | | |
| Check if your CV-observations have been registered (please allow up to | o 24 hrs): | | | | | | |
| https://www.cv-helios.net/helios/cv/web/datlist.htm | for checking of Entries Summary | | | | | | |
| https://www.cv-helios.net/helios/cv/web/cvobsmonth.htm | tor encouning of Entrice Swimming | | | | | | |
| CONTRIBUTE WITH YOUR PHOTOS AND OTHER OF INTERE | ST! | | | | | | |
| We would like YOU to contribute with drawings or photos from last month | | | | | | | |
| Also any other contribution that may have an interest for our observers. | | | | | | | |
| Please send by email to: | | | | | | | |
| cvhelios@gmail.com | | | | | | | |
| Please check out www.cv-helios.net/cvrep2.html for updates of files! | | | | | | | |
| SUBMISSIONS OF CV-OBSERVATIONS | | | | | | | |
| Log on to: | | | | | | | |
| https://www.cv-helios.net/observations/index.html | Classification Help | | | | | | |
| login solaris | | | | | | | |
| password cvheliosobs | Monthly Input Form as excel | | | | | | |
| Submission before 15th of proceeding month 18:00 UTC. | (password: cvhelios) | | | | | | |
| IVIEK ISSUE I SIN OF Proceeding month 2000 UTC. Good luck CV-observing! | | | | | | | |
| Average received to registered time: 2 day 05 hours 10 minutes | | | | | | | |
| and average macrotime used for one registration is 17,98 seconds | | | | | | | |
| CV-Helios Network | | | | | | | |
| - over 42 years in solar amateur astronomy service! | | | | | | | |
| | | | | | | | |
| There are now number of Entries registered: 13069 | | | | | | | |
| containing 210952 CV-observations! | | | | | | | |
| Last 12 months 5846 CV-observations from 40 observers originating from 17 countries | | | | | | | |
| Editorial close: 20.10.2023 08:02 UTC | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| ▶▲ _ | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| CV-Helios Netwo | ork | | | | | | |
| | | | | | | | |
| This MPR issued from Tenerife Spain | | | | | | | |
| i nis NIPK issued from Tenerife, Spain | | | | | | | |