

HFUS 3 BOU 010500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 182A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 01 JULY 1977

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. NO SIGNIFICANT CHANGES HAVE BEEN NOTED IN DISC OR LIMB FEATURES.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED THE PAST 8 HOURS. SLIGHTLY UNSETLED CONDITIONS ARE EXPECTED TO PREVAIL.

III. EVENT PROBABILITIES 01 JULY-03 JULY

|         |          |
|---------|----------|
| CLASS M | 40/30/20 |
| CLASS X | 05/01/01 |
| PROTON  | 01/01/01 |
| PCAF    | GREEN    |

IV. OTTAWA 10.7 CM FLUX

|             |                       |
|-------------|-----------------------|
| OBSERVED    | 30 JUNE 103           |
| PREDICTED   | 01-03 JULY 102/100/98 |
| 90-DAY MEAN | 30 JUNE 084           |

V. GEOMAGNETIC A INDICES

|                         |                                  |
|-------------------------|----------------------------------|
| OBSERVED FREDERICKSBURG | 29 JUNE 09                       |
| ESTIMATED AFR/AP        | 30 JUNE 07/08                    |
| PREDICTED AFR/AP        | 01-03 JULY 07/07 - 07/07 - 07/07 |
| SOLTERWARN              |                                  |
| BT                      |                                  |

HFUS 3 BOU 011500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO  
SDF NUMBER 182-B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 01 JULY 1977

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW AS ALL REGIONS CONTINUE TO DECLINE. REGION 837 NOW CROSSING WEST LIMB AT S20 HAS PRODUCED SMALL SURGES. REGION 839 (N16W23) HAS DIMINISHED TO CLASS C WITH SIMPLE MAGNETIC STRUCTURE. MINOR NEW SPOTS HAVE BEEN REPORTED AT N19W20 AND N38W13 (REGION 843).

IB. NO SIGNIFICANT ACTIVITY IS EXPECTED. SOLAR INDICES WILL DROP SIGNIFICANTLY AS REGION 837 COMPLETES WEST LIMB PASSAGE AND REGION 839 CONTINUES TO DECLINE. AN AREA OF MINOR ACTIVITY IS EXPECTED TO RETURN AT SE LIMB LATE ON 02 JULY.

II. THE GEOMAGNETIC FIELD WAS STRONGLY UNSETTLED FROM 06-12Z BUT HAS RETURNED TO A QUIET LEVEL. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 01 JULY - 03 JULY

CLASS M 20/10/05  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 30 JUNE 103  
PREDICTED 01-03 JULY 99/96/93  
90-DAY MEAN 30 JUNE 084

V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 29 JUNE 09  
ESTIMATED AFR/AP 30 JUNE 07/08  
PREDICTED AFR/AP 01-03 JULY 11/13 - 07/07 - 07/07  
SOLTERWARN  
BT

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 182

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 1 JULY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. A CLASS C1 EVENT OCCURRED AT 1909Z FROM A SUBFLARE AT S24 W90 IN REGION 837. NUMEROUS NEW SPOTS HAVE FORMED WITHIN THE LARGE CLASS C1 GROUP (839) AT N16 W28 BUT WITH NO ALTERATION OF THE MAGNETIC CONFIGURATION. REGION 843 (N39W18) IS A SMALL BIPOLE GROUP AND STILL GROWING SLOWLY. A SINGLE FAINT SPOT (REGION 841, N31W22) HAS APPEARED IN PLAGE THAT HAS BEEN PRESENT SINCE EAST LIMB PASSAGE 8 DAYS AGO.

IB. SOLAR INDICES WILL CONTINUE TO DROP AS REGION 837 COMPLETES WEST LIMB PASSAGE. MINOR GROWTH OF REGIONS AND A RETURNING INACTIVE REGION 2 JULY WILL HAVE LITTLE INFLUENCE ON THIS DECREASE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED FOR THE PAST 20 HOURS. CONDITIONS ARE EXPECTED TO CONTINUE UNSETLED FOR THE NEXT 18 HOURS BEFORE QUIET CONDITIONS RESUME.

III. EVENT PROBABILITIES 02-04 JULY

CLASS M 20/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JULY 99

PREDICTED 02 JULY-04 JULY 96/94/91

90-DAY MEAN 01 JULY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 JUNE 08

ESTIMATED AFR/AP 1 JULY 18/18

PREDICTED AFR/AP 2-4 JULY 12/12 - 07/07 - 05/05

SOLTERWARN

BT