

HFUS 3 BOU 190600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 323-A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 19 NOV 1977

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST EIGHT HOURS.  
FLARE FLUCTUATIONS TO NEAR FLARE BRIGHTNESS CONTINUE IN REGION  
939 (N23E01). OTHER REGIONS ARE STABLE OR DECLINING.  
IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO VERY LOW DURING THE  
REST OF THE FORECAST PERIOD. ISOLATED M-CLASS FLARE ACTIVITY IN  
REGION 939 REMAINS A POSSIBILITY.  
II. THE GEOMAGNETIC FIELD WAS MOSTLY QUIET DURING THE PAST EIGHT  
HOURS. UNSETTLED CONDITIONS ARE EXPECTED DURING THE REMAINDER OF  
THE ZULU DAY.

III. EVENT PROBABILITIES 19 - 21 NOV

CLASS M 20/30/20

CLASS X 01/05/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 NOV 104

PREDICTED 19 - 21 NOV 104/103/104

90-DAY MEAN 18 NOV 96

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 NOV 10

ESTIMATED AFR/AP 18 NOV 05/05

PREDICTED AFR/AP 19 - 21 NOV 08/12 - 10/15 - 15/20

SOLTERWARN

BT

HFUS 3 BOU 191500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 323-B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 19 NOV 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST NINE HOURS.  
REGION 939 (N24W04) HAS DISPLAYED PLAGE FLUCTUATIONS TO NEAR  
FLARE INTESITY. REGION 933 (S23W90) HAS BEEN DURGING AS IT TRANSITS  
THE WEST LIMB. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET  
AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT LOW TO VERY  
LOW LEVELS FOR THE REMAINDER OF THE FORECAST PERIOD. OCCASIONAL  
M-CLASS FLARE ACTIVITY IS POSSIBLE FROM REGION 939.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST NINE HOURS  
AND IS EXPECTED TO BE QUIET TO UNSETLED FOR THE REMAINDER OF THE  
ZULU DAY.

III. EVENT PROBABILITIES 19 - 21 NOV

CLASS M 20/30/20  
CLASS X 01/05/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 NOV 104  
PREDICTED 19 - 21 NOV 104/103/104  
90-DAY MEAN 18 NOV 96

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 NOV 10  
ESTIMATED AFR/AP 18 NOV 05/05  
PREDICTED AFR/AP 19 - 21 NOV 08/12 - 10/15 - 15/20  
SOLTERWARN  
BT

HFUS 1 BOU 192200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 323  
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 19 NOV 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS WITH ONLY ONE SUBFLARE REPORTED FROM REGION 939 (N23W07). IT HAS SINCE EXPERIENCED DECAY IN THE LEADER SPOTS. REGION 937 (S18E03) IS PRESENTLY CLASSIFIED AS AN H-TYPE GROUP WITH ONLY 1 SPOT VISIBLE. REGION 934 (N38W20) IS STABLE WITH 2 SPOTS IN A C-TYPE GROUP. ALL OTHER DISK AND LIMB FEATURES ARE REPORTED TO BE QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW FOR THE NEXT 24 HOURS. REGION 939 IS THE ONLY REGION WITH PRESENT FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS AND IS EXPECTED TO BECOME QUIET TO UNSETLED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 20 - 22 NOV

CLASS M 15/15/15

CLASS X 05/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 NOV 102

PREDICTED 20 - 22 NOV 102/102/102

90-DAY MEAN 19 NOV 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 NOV 07

ESTIMATED AFR/AP 19 NOV 06/05

PREDICTED AFR/AP 20 - 22 NOV 12/15 - 15/18 - 18/20

SOLTERWARN

BT