

HFUS 3 BOU 160500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 259A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 16 SEPT 1977

IA. SOLAR ACTIVITY REMAINS VERY LOW AND NO SIGNIFICANT CHANGES IN  
THE VISIBLE REGIONS HAVE BEEN NOTED.

IB. SOLAR ACTIVITY WILL BE AT A VERY LOW LEVEL FOR THE NEXT 24  
HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET. UNSETTLED TO ACTIVE CONDITIONS  
ARE EXPECTED DURING THE NEXT 24 HOURS WITH MOSTLY ACTIVE  
CONDITIONS ON 17 SEPT.

III. EVENT PROBABILITIES 16-18 SEPT

CLASS M 50/50/50

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 SEPT 119

PREDICTED 16-18 SEPT 119/118/116

90-DAY MEAN 15 SEPT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 SEPT 08

ESTIMATED AFR/AP 15 SEPT 12/11

PREDICTED AFR/AP 16-18 SEPT 15/20 - 20/20 - 15/15

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HFUS 3 BOU 161500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 259-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 16 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 17 HOURS. A C-1  
X-RAY EVENT OCCURRED AT 16/0949Z (MAX). NO OPTICAL COUNTER PART  
HAS YET BEEN REPORTED. A MINOR CENTIMETRIC BURST ACCOMPANIED THE  
EVENT. REGION 889 (N08W15) SHOWS A SUBTLE BUT DEFINITE DECREASE IN  
STRUCTURAL INTEGRITY AND INTENSITY FLUCTUATIONS NEAR THE LEADER,  
OTHERWISE ITS STABLE. REGION 891 (N26E69) IS WEAK AND STABLE.

IB. GENERALLY, ACTIVITY IS EXPECTED TO REMAIN VERY LOW. HOWEVER,  
1-2 ENERGETIC EVENTS CAN BE EXPECTED FROM REGION 889 PRIOR TO WEST  
LIMB TRANSIT.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED THE  
PAST 18 HOURS. GENERALLY UNSETTLED CONDITIONS, WITH SHORT PERIODS  
ACTIVE, ARE EXPECTED FOR THE NEXT 30 HOURS.

III. EVENT PROBABILITIES 16-18 SEPT

CLASS M 50/50/50

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 SEP 119

PREDICTED 16-18 SEP 119/118/116

90-DAY MEAN 15 SEP 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 SEP 08

ESTIMATED AFR/AP 15 SEP 12/13

PREDICTED AFR/AP 16-18 SEP 07/07 - 10/15 - 15/18

SOLTERWARN

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 259

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. A SN/C3 FLARE (16/1743Z)  
OCCURRED SW OF THE LARGE LEADER SPOT IN REGION 889 (N08W19) WITH  
SMALL FLARE POINTS RUNNING EAST ALONG THE NEUTRAL LINE. A SUBTLE  
BUT DEFINITE DECREASE IN STRUCTURAL INTEGRITY AND INTENSITY IS  
OCCURRING IN REGION 889. OCCASIONAL INTENSITY FLUCTUATIONS HAVE  
OCCURRED IN REGION 890 (N16W26), OTHERWISE THE REGION IS STABLE.  
REGION 891 (N24E67) IS WEAK AND STABLE. CALCIUM PLAGE IS ROTATING  
ON TO THE EAST LIMB NEAR S27 WITH A SINGLE SURGE REPORTED THERE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY VERY LOW. HOWEVER,  
1-2 ENERGETIC EVENTS CAN BE EXPECTED FROM REGION 889 PRIOR TO  
WEST LIMB PASSAGE AS IT DECAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED  
THE PAST 24 HOURS. GENERALLY UNSETTLED CONDITIONS, WITH SHORT PERIODS  
ACTIVE, ARE EXPECTED OVER THE NEXT 3 DAYS. THE WELL DEFINED  
EQUATORIAL CORONAL HOLE IN 10830 ANGSTROM IS EXPECTED TO AFFECT  
THE EARTH'S ENVIRONMENT STARTING IN THE LATTER HALF OF 19 SEPTEMBER.

III. EVENT PROBABILITIES 17-19 SEP

CLASS M	50/50/50 -
CLASS X	20/20/20 -
PROTON	25/25/20 -
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	16 SEP 119
PREDICTED	17-19 SEP 118/116/113
90-DAY MEAN	16 SEP 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	15 SEP 10
ESTIMATED AFR/AP	16 SEP 06/07
PREDICTED AFR/AP	17-18 SEP 12/20 - 12/15 - 17/20

SOLTERWARN

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19 Sept