

HFUS 3 BOU 280500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 148A  
JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 28 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1129 (N18W03) HAS SHOWN SOME DECAY, ESPECIALLY IN THE TRAILER SECTION. REGION 1136 (S17W02) IS NOW A C-TYPE GROUP. THERE HAVE BEEN NO OPTICAL REPORTS OF FLARES AND ONLY ONE C-1 XRAY EVENT. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. CONDITIONS ARE EXPECTED TO BE UNSETLED WITH ACTIVE PERIODS AT THE END OF THE DAY.

III. EVENT PROBABILITIES 28-30 MAY

CLASS M	70/75/75
CLASS X	10/10/10
PROTON	01/05/05
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	27 MAY 148
PREDICTED	28-30 MAY 150/153/148
90-DAY MEAN	27 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	26 MAY 07
ESTIMATED AFR/AP	27 MAY 05/07
PREDICTED AFR/AP	28-30 MAY 18/20 - 20/25 - 18/20
SOLTERWARN BY	

HFUS 3 BOU 281500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 148B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 28 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL THE PAST 8 HOURS.  
THE MOST SIGNIFICANT EVENTS HAVE BEEN THE C-7 AND C-8 EVENTS  
FROM REGION 1129 (N18W06) AT 0732Z AND 1040Z RESPECTIVELY AND THE  
M-1 FROM REGION 1133 (N23W17) AT 1340Z. THIS COMPLEX IS THE MOST  
ACTIVE AREA NOW VISIBLE. REGION 1134 (N22E35) HAS BEEN RELATIVELY  
STABLE.

IB. LOW TO MODERATE ACTIVITY SHOULD CONTINUE FROM THE 1129/1133  
COMPLEX WITH MORE ENERGETIC EVENTS POSSIBLE IF STRONG INTERACTION  
DEVELOPS.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET WITH SOME  
SECTORS SHOWING UNSETLED CONDITIONS. THIS LEVEL OF ACTIVITY IS  
EXPECTED TO CONTINUE WITH SOME CHANCE FOR MORE ACTIVE PERIODS  
LATER IN THE DAY.

III. EVENT PROBABILITIES 28-30 MAY

CLASS M 70/75/75

CLASS X 10/10/10

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAY 148

PREDICTED 28-30 MAY 150/153/148

90-DAY MEAN 27 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDRICKSBURG 26 MAY 07

ESTIMATED AFR/AP 27 MAY 05/07

PREDICTED AFR/AP 28-30 MAY 10/15 - 20/25 - 18/20

SOLTERWARN

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HFUS 1 B 0U 282220

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 148

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 28 MAY 1978

IA. A MODERATE LEVEL OF SOLAR ACTIVITY HAS BEEN RECORDED THRU THE PAST 24 HOURS, WITH MOST OF THE ACTIVITY OCCURRING IN THE AREA OF REGIONS 1129 (N17W110) AND 1133 (N23W22). THE MOST ENERGETIC EVENTS WERE AN M-1 AT 1340Z AND AN X-1 AT 1502Z. CLASS C EVENTS ARE OCCURRING AT ABOUT 1 EVERY TWO HOURS. THESE EVENTS HAVE HAD ONLY MINOR RADIO ACTIVITY. MT WILSON STILL REPORTS A DELTA IN THE INTERMEDIATE SPOTS OF REGION 1129. REGIONS 1134 (N20E30) AND 1136 (S16W08) HAVE BEEN REPORTED STABLE.

IB. THE MODERATE LEVEL OF SOLAR ACTIVITY SHOULD CONTINUE THRU THE FORECAST PERIOD FROM THE 1129 AND 1133 COMPLEX. THIS AREA IS BEGINNING TO PRODUCE MORE ENERGETIC EVENTS AND IS CAPABLE OF MAJOR ACTIVITY. ALL OTHER AREAS ARE EXPECTED TO PRODUCE ONLY MINOR EVENTS.

II. GENERALLY QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED AT MID LATITUDE STATIONS WITH SOME SHORT UNSETTLED PERIODS. A RECURRENT DISTURBANCE IS STILL EXPECTED TO BEGIN WITHIN THE FORECAST PERIOD. FLARE INDUCED ACTIVITY IS ALSO BECOMING MORE LIKELY.

III. EVENT PROBABILITIES 29 MAY - 31 MAY

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 15/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 145

PREDICTED 29-31 MAY 145/146/145

90-DAY MEAN 28 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 MAY 05

PREDICTED AFR/AP 28 MAY 05/12

PREDICTED AFR/AP 29-31 MAY 20/20 - 15/15 - 10/10

GOLTERWARN

BT