

HFUS 3 BOU 19 05 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO.

SDF NUMBER 139A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 19 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 7 HOURS. NO FLARES
HAVE BEEN OBSERVED IN THE EIGHT QUIET REGIONS ON THE VISIBLE DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 7 HOURS. THE
FIELD IS EXPECTED TO REMAIN QUIET FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 19 MAY - 21 MAY 1978

CLASS M 20/20/35

CLASS X 01/01/02

PROTON 10/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MAY 132

PREDICTED 19-21 MAY 134/140/146

90-DAY MEAN 18 MAY 146

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 17 MAY 10

ESTIMATED AFR/AP 18 MAY 05/07

PREDICTED AFR/AP 19-21 MAY 08/12 - 20/25 - 25/30

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HFUS 3 BOU 19 1500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 139B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 19 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. SEVERAL (5) LOW LEVEL
CLASS C X-RAY BURSTS HAVE BEEN OBSERVED, THREE OF WHICH WERE
CORRELATED WITH SUBFLARES IN REGION 1110 (S22W60). PRESENT DISK
REGIONS ARE STABLE. THE EAST LIMB IS QUIET.

IB. SOLAR ACTIVITY FROM CURRENT DISK REGIONS IS EXPECTED TO
REMAIN AT A VERY LOW TO LOW LEVEL THIS DAY. SPOT DEVELOPMENT HAS
BEEN OBSERVED EAST OF REGION 1112 (N21W21) WHICH MAY COMPLICATE
THAT AREA. PREVIOUSLY FLARE RICH 1092 IS DUE BACK AT THE EAST
LIMB TOMORROW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
QUIET CONDITIONS ARE EXPECTED FOR THIS DAY WITH ACTIVE CONDITIONS
FORECAST BEGINNING TOMORROW.

III. EVENT PROBABILITIES 19-21 MAY

CLASS M 20/20/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MAY 132

PREDICTED 19-21 MAY 132/140/146

90-DAY MEAN 18 MAY 146

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 17 MAY 10

ESTIMATED AFR/AP 18 MAY 05/07

PREDICTED AFR/AP 19-21 MAY 08/12 - 20/25 - 25/30

SOLTERWARN

BT

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 139

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 MAY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. NUMEROUS LOW LEVEL CLASS C X-RAY FLARES HAVE OCCURRED IN REGION 1110 (S21W65), THE LARGEST OF WHICH WAS A 1N/C2 AT 1850Z. A SIGNIFICANT AMOUNT OF SPOT GROWTH HAS BEEN OBSERVED HERE, INCREASING ITS SUNSPOT CLASS TO A DRI DURING THE PAST 10 HOURS. REGION 1118 (N23E10) HAS RE-FORMED SPOTS AND PRODUCED A 1F/C1 AT 1500Z. THE EAST LIMB REMAINS QUIET.

IB. SOLAR ACTIVITY MAY RISE DURING THE NEXT FEW DAYS. CONTINUED GROWTH OF REGION 1110 WOULD INCREASE THE PROBABILITY OF M CLASS X-RAY EVENTS AS IT APPROACHES THE WEST LIMB. INCREASED ACTIVITY LEVELS ARE EXPECTED TOMORROW WITH THE EAST LIMB PASSAGE OF PREVIOUSLY ACTIVE REGION 1092.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. RECURRENT PATTERNS INDICATE ACTIVE CONDITIONS BEGINNING 20 MAY.

III. EVENT PROBABILITIES 20 MAY - 22 MAY

CLASS M 20/35/35

CLASS X 01/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 MAY 131

PREDICTED 20 - 22 MAY 140/146/150

90-DAY MEAN 19 MAY 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 MAY 05

ESTIMATED AFR/AP 19 MAY 05/06

PREDICTED AFR/AP 20 - 22 MAY 20/25 - 25/35 - 15/20

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