

HFUS 1 BOU 080500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 128A
JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 08 MAY 197

IA. SOLAR ACTIVITY HAS BEEN MODERATE. AN M-5 AT 08/0046Z
WAS ASSOCIATED WITH A SF FLARE IN REGION 1095 (N22W77) BUT
THE TRUE SOURCE MAY HAVE BEEN 1092 AT NW20. A LOOP PROMINENCE
SYSTEM WAS REPORTED 0155-0300Z ALONG WITH A SLOW RESE-DECAY M-2
X-RAY EVENT. LOOPS WERE FROM REGION 1092 AT NW18 EXTENDING OUT
TO .07 RADII.

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE OR HIGH LEVELS.
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED
TO INCREASE TO UNSETTLED TO ACTIVE DURING THE PERIOD.

III. EVENT PROBABILITIES 08-10 MAY

CLASS M 95/70/50

CLASS X 30/10/05

PROTON 30/25/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 165

PREDICTED 08-10 MAY 158/150/144

90-DAY MEAN 07 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 MAY 07

ESTIMATED AFR/AP 07 MAY 07/07

PREDICTED AFR/AP 08-10 MAY 15/20 - 20/25 - 35/40

SOLTERWARN

BT

HFUS 3 BOU 081900

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 128B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1500Z 08 MAY 1978

IA. SOLAR ACTIVITY CONTINUES HIGH. A CLASS M6 EVENT AT 1202Z ROSE SLOWLY TO A MAXIMUM AT 1239Z COINCIDING WITH A BRIGHT SURGE-LIKE FLARE IN REGION 1095 AT N22W82. LARGE LOOPS FORMED LATE IN THE EVENT. THIS REGION HAS CONTINUING SPOT GROWTH. LARGE AND FREQUENT SURGES AT NW LIMB SIGNIFY THAT REGION 1092 IS ALSO POTENT. ALL OTHER VISIBLE REGIONS ARE SMALL AND INACTIVE. ACTIVE PROMINENCE AT NE LIMB INDICATES THE RETURN OF REGION 1088.

IB. SOLAR ACTIVITY WILL CONTINUE HIGH UNTIL REGION 1095 COMPLETES LIMB PASSAGE LATE TOMORROW. RADIO AND X-RAY BACKGROUNDS WILL DROP DRAMATICALLY DURING THE NEXT 3 DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. UNSETLED CONDITIONS ARE EXPECTED LATER TODAY. A MINOR MAGNETIC STORM MAY OCCUR TOMORROW AS A CONSEQUENCE OF THE GREAT WEST LIMB ACTIVITY DURING THE PAST 48 HOURS.

III. EVENT PROBABILITIES 08-10 MAY

CLASS M 95/95/95

CLASS X 30/10/05

PROTON 50/30/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 165

PREDICTED 08-10 MAY 158/150/144

90-DAY MEAN 07 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 MAY 07

ESTIMATED AFR/AP 07 MAY 07/07

PREDICTED AFR/AP 08-10 MAY 15/20 - 20/25 - 35/40

SOLTERWARN

BT

MFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 128

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN HIGH FOR THE PAST 24 HOURS. ACTIVITY COMPLEX 1092/1095 CROSSING WEST LIMB AT N21 CONTINUES TO PRODUCE CONTINUOUS SURGES AND THE FOLLOWING MAJOR X-RAY EVENTS - M5/0038Z, M2/0150Z AND M6/1202Z. ALL HAVE BEEN ACCCOMPANIED BY SPECTACULAR EJECTA AND LOOP PROMINENCES. RADIO BURSTS HAVE BEEN MUCH WEAKER THAN YESTERDAY BUT CONTINUE TO BE COMPLEX. THE SOLAR DISK NOW HAS ONLY MINOR REGIONS, INCLUDING NEW REGIONS 1109 (N19E68) AND 1110 (S17E69).

IB. MAJOR FLARES ARE EXPECTED TO IRRADIATE THE EARTH FOR YET ANOTHER DAY BEFORE CONDITIONS BECOME QUIET. NONE OF THE REGIONS PRESENTLY VISIBLE OR DUE TO RETURN ARE EXPECTED TO PRODUCE SIGNIFICANT EVENTS.

II. A MINOR MAGNETIC DISTURBANCE BEGAN AT 1555Z BUT HAS NOT DEVELOPED TO STORM LEVEL BY THE TIME OF THIS REPORT.

III. EVENT PROBABILITIES 09 MAY - 11 MAY

CLASS M 95/70/50

CLASS X 30/10/05

PROTON 30/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 085MAY 141

PREDICTED 09-11 MAY 135/130/130

90-DAY MEAN 08 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 MAY 08

ESTIMATED AFR/AP 08 MAY 12/14

PREDICTED AFR/AP 09-11 MAY 25/25 - 35/35 - 15/15

SOLTERWARN

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