

HFUS 3 B OU 260500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 146A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 26 MAY 1978

IA. SOLAR ACTIVITY CONTINUES LOW. THE LARGEST EVENT SINCE 25/2200Z
WAS A LONG-LIVED C3 EVENT AT 0035Z WHEN CLOUDS PREVENTED ASSOCIATING
WITH AN OPTICAL EVENT. REGION 1129 (N18E25) HAS PRODUCED NUMEROUS
MINOR FLARES. ITS SPOT GROUP IS NOT DEVELOPING BUT REMAINS COMPLEX.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH ISOLATED CLASS M
EVENTS. SOUTHEAST LIMB MAY BECOME ACTIVE LATE IN THIS FORECAST PERIOD.

II. A GEOMAGNETIC SUBSTORM OCCURRED AT 0100-0300Z BUT THE FIELD
BEFORE AND SINCE HAS BEEN QUIET. UNSETTLED CONDITIONS WILL OCCUR THROUGH
THE REMAINDER OF THIS DAY WITH ACTIVE CONDITIONS THE REMAINDER OF
THIS PERIOD.

III. EVENT PROBABILITIES 26 - 28 MAY

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAY 144

PREDICTED 26 - 28 MAY 147/151/155

90-DAY MEAN 25 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 26

ESTIMATED AFR/AP 25 MAY 14/17

PREDICTED AFR/AP 26 - 28 MAY 10/10 - 18/20 - 35/3

SOLTERWARN

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HFUS 3 BOU 261500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 146B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 26 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE OUR 260500Z MESSAGE.
FLUCTUATIONS AND POINT BRIGHTENINGS IN REGION 1129 (N18E20)
NOW HAVE A CHARACTER AND INTENSITY THAT WOULD SUGGEST THE
DYNAMIC POTENTIAL OF 1129 IS ON THE RISE. A SMALL A TYPE SPOT
WITH SCATTERED PLAGE IS NOW VISIBLE NEAR S23E74 AND A SMALL
D TYPE GROUP IS REPORTEDLY DEVELOPING NEAR S18E22. NO SIGNIFICANT
CHANGES IN THE OTHER VISIBLE FEATURES HAVE BEEN NOTED.

IB. ENERGETIC ACTIVITY FROM REGION 1129 SHOULD BE EXPECTED
DURING THE NEXT 12 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT
MID-LATITUDES. GENERALLY UNSETTLED CONDITIONS SHOULD PERSIST
FOR THE REMAINDER OF TODAY.

III. EVENT PROBABILITIES 26 - 28 MAY

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAY 144

PREDICTED 26 - 28 MAY 147/151/155

90-DAY MEAN 25 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 26

ESTIMATED AFR/AP 25 MAY 14/17

PREDICTED AFR/AP 26 - 28 MAY 10/10 - 18/20 - 35/35

SOLTERWARN

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HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 146

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 MAY 1978

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY DURING THE PAST 24 HOURS. REGION 1129 (N18E14) PRODUCED A LONG-LIVED SLOW RISE CLASS M1 X-RAY BURST NEAR 260740Z. OPTICAL REPORTS CLASSED THIS EVENT AS A IF FLARE. AT 261734Z REGION 1134 (N18E54) PRODUCED AN IMPORTANCE 1B FLARE THAT HAD M4 CLASS X-RAY EMISSION. REGION 1129 IS SHOWING SOME SEPARATION IN ITS LEADER PENUMBRA WHILE 1134 IS SHOWING A TENDENCY TO BECOME MORE COHESIVE IN ITS PENUMBRAL AREA. BOTH REGIONS CONTAIN DELTA CONFIGURATIONS AND SHOULD BE VIEWED AS THREATS FOR SIGNIFICANT ACTIVITY. A SMALL PLAGE IS NOW VISIBLE NEAR S23E68 THAT INTERMITTENTLY HAS A SMALL TYPE "A" SPOT. A NEW REGION, 1136 (S16E15), IS A SMALL "B" TYPE SPOT AND MAY BE GROWING SLOWLY. IB. SIGNIFICANT ACTIVITY SHOULD BE EXPECTED DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. RECURRENT ACTIVITY IS EXPECTED TO DISTURB THE FIELD DURING THE NEXT 24 HOURS WITH MINOR STORM CONDITIONS LIKELY BY 28 MAY.

III. EVENT PROBABILITIES 27 - 29 MAY

CLASS M 60/70/75

CLASS X 05/10/10

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MAY 149

PREDICTED 27 - 29 MAY 151/155/158

90-DAY MEAN 26 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 MAY 13

ESTIMATED AFR/AP 26 MAY 10/13

PREDICTED AFR/AP 27 - 29 MAY 18/18 - 35/28 - 22/22

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