

HFUS 3 BOU 2605 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 146A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 05 00Z 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

BT

HFIJS 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 (N 18E 20)  
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 UNSETLED AT  
MID-LATITUDES. GENERALLY UNSETLED 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

SOLIERWARN

BT

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 1F  
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 TEN-  
DENCY 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 UNSETLED. 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

SOLTERWARN

BT.