

HFUS 3 BOU 240430
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 144A
JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 24 MAY 1978

- IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS.
ONLY ONE SMALL NON ENERGETIC SUBFLARE HAS BEEN OBSERVED. THE DISK
REGIONS APPEAR STABLE AND QUIET.
- IB. SOLAR ACTIVITY WILL BE AT A LOW TO MODERATE LEVEL DURING THE
FORECAST PERIOD. THE NE COMPLEX NOW DESIGNATED REGION 1129 (N17E56)
HAS THE CAPABILITY OF PRODUCING ENERGETIC FLARE ACTIVITY.
- II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED AND IS
EXPECTED TO REMAIN THAT WAY DURING THE FORECAST PERIOD.
- III. EVENT PROBABILITIES 24 MAY - 26 MAY

CLASS M 5/5 0/5
CLASS X 0/1 0/5
PROTON 0/1 0/1
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAY 141
PREDICTED 24-26 MAY 148/153/157
90-DAY MEAN 23 MAY 147

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 22 MAY 18
ESTIMATED AFR/AP 23 MAY 14/21
PREDICTED AFR/AP 24-26 MAY 12/15 - 12/15 - 10/10
SOLTERWARN
BT

HFUS 3 BOU 241500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 144B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 24 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. OPTICAL OBSERVATIONS HAVE BEEN
LIMITED DUE TO WEATHER. HOWEVER, X-RAY BURSTS HAVE ONLY BEEN LOW
LEVEL CLASS C EVENTS. REGION 1129 (N17E43) STILL REMAINS COMPLEX
WITH WEAK GRADIENTS. SPOT DECAY IS OCCURRING IN THE CENTER OF THE
GROUP WHERE THE MIXED POLARITIES EXIST. THE OTHER DISK REGIONS ARE
SIMPLE. A REGION IS EMERGING NEAR S14W16.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. HOWEVER, REGION 1029
STILL POSSESSES THE POTENTIAL FOR ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. UNSETTLED TO ACTIVE
CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 24 MAY - 26 MAY

CLASS M 50/50/50

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAY 141

PREDICTED 24-26 MAY 148/153/157

90-DAY MEAN 23 MAY 147

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 22 MAY 18

ESTIMATED AFR/AP 23 MAY 14/21

PREDICTED AFR/AP 24-26 MAY 12/15 - 12/15 + 10/10

SOLTERWARN

BT

HFUS 1 B OU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 144

JO INT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 1114 (S26W79) PRODUCED A SB/C9 WITH X-RAY MAX AT 1802Z AND REGION 1129 (N17E40) PRODUCED A 1B/M1 WITH X-RAY MAX AT 1923Z. MINOR CENTIMETRIC BURSTS AND IMP-2 SHORT WAVE FADES ACCCOMPANIED BOTH FLARES. REGION 1129 IS AN EXTENSIVE REGION CONTAINING A MAGNETIC DELTA CONFIGURATION. REGION 1131 (N25E57) MAY REACT WITH ACTIVITY IN REGION 1129.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. REGION 1129 MAY REACT AS ITS PREDECESSOR LAST ROTATION (REGION 1092). FLARES MAY BE INTERMITTENT BUT ENERGETIC AND LONG LASTING.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED TO BE UNSETLED TO ACTIVE 25 MAY, UNSETLED 26 MAY, AND BECOMING ACTIVE AGAIN ON 27 MAY.

III. EVENT PROBABILITIES 25 MAY - 27 MAY

CLASS M 60/80/80

CLASS X 05/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 145

PREDICTED 25-27 MAY 149/152/154

90-DAY MEAN 24 MAY 174 — 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MAY 26

ESTIMATED AFR/AP 24 MAY 23/24

PREDICTED AFR/AP 25-27 MAY 12/15 - 10/10 - 18/20

SOLTERWARN

BT