

HFUS 3 BOU 060500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 126A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 06 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW, CULGOORA REPORTS THAT REGION 1092
(N21W66) REMAINS IMPRESSIVE AND UNSTABLE AND REGION 1095 (N22W48)
HAS SHOWN SOME GROWTH IN H-ALPHA AND WHITE LIGHT. OTHER
REGIONS REMAIN UNIMPRESSIVE.

IB. SOLAR ACTIVITY SHOULD BE MODERATE TO HIGH.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED AND UNSETTLED
OR ACTIVE CONDITIONS MAY BE EXPECTED THRU THE DAY.

III. EVENT PROBABILITIES 06 - 08 MAY

CLASS M 95/95/95

CLASS X 70/70/70

PROTON 60/60/60

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 173

PREDICTED 06 - 08 MAY 169/167/165

90-DAY MEAN 05 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MAY 60

ESTIMATED AFR/AP 05 MAY 08/07

PREDICTED AFR/AP 06 - 08 MAY 15/20 - 22/30 - 22/30

SOLTERWARN

BT

HFUS 3 BOU 061500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 126B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 06 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. A RECORD 25-INCH SNOWSTORM IN BOULDER HAS INTERRUPTED ALL LOCAL MONITORING EQUIPMENT BUT ALL OTHER REPORTING STATIONS INDICATE NO IMPORTANT EVENTS HAVE OCCURRED. REGION 1092 NEAR NW LIMB CONTINUES TO APPEAR CAPABLE OF MAJOR FLARES. REGION 1105 AT NE LIMB IS NOW A CLASS F SPOT GROUP. SMALL SURGES ARE OCCURRING THERE AND AT TWO OTHER LOCATIONS ON NE LIMB.

IB. A MAJOR EVENT IS STILL EXPECTED FROM REGION 1092. ACTIVITY IN THE NE QUADRANT WILL PARTIALLY COMPENSATE FOR THE LIMB PASSAGE OF 1092 BY THE THIRD DAY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 12 HOURS. UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS ARE EXPECTED THIS PERIOD.

III. EVENT PROBABILITIES 06 - 08 MAY

CLASS M 95/95/95

CLASS X 70/70/70

PROTON 60/60/60

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 173

PREDICTED 06 - 08 MAY 175/167/165

90-DAY MEAN 05 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MAY 60

ESTIMATED AFR/AP 05 MAY 08/07

PREDICTED AFR/AP 06 - 08 MAY 15/20 - 22/30 - 22/30

SOLTERWARN

BT

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 126

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 06 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN HIGH WITH CLASS M FLARES AT 2012Z (M7) AND 2119Z (M1) AND NUMEROUS MINOR OPTICAL FLARES THROUGHOUT THE DAY. THE MAJOR EVENTS ARE PRESUMED TO HAVE OCCURRED IN REGION 1092 (N20W76) WHERE A DELTA CONFIGURATION CONTINUES AND SMALL SPOT GROWTH HAS OCCURRED. SOLAR MONITORS HAVE BEEN SERIOUSLY AFFECTED BY WEATHER, WITH A RECORD 28-INCH SNOWFALL SILENCING ALL BOULDER EQUIPMENT, INCLUDING THE SATELLITE ANTENNA. X-RAY DATA RESUMED JUST AT THE TIME OF THE LARGE EVENTS TODAY. REGION 1105 (N19E66) IS NOW A SMALL CLASS E SPOT GROUP WITH ONLY MINOR SURGE ACTIVITY ASSOCIATED. SMALL SURGES CONTINUE AT N17 AND N25 AT EAST LIMB WHERE AN EXTENSIVE FAINT PLAGE IS PRESENT. RADIO INTENSITY IS LOW OVER THIS AREA. TWO SMALL NEW REGIONS HAVE FORMED AT S19W24 (REGION 1106) AND N17E33 (REGION 1107). ALL OTHER REGIONS ARE STABLE AND WITHOUT SIGNIFICANT ACTIVITY.

IB. A MINOR PROTON EVENT IS EXPECTED BY 07/0400Z. ADDITIONAL MAJOR EVENTS ARE LIKELY FROM REGION 1092.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. UNSETTLED CONDITIONS ARE EXPECTED BY THE MIDDLE OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 07-09 MAY

CLASS M 95/95/70

CLASS X 50/30/10

PROTON 80/30/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 MAY 170

PREDICTED 07-09 MAY 164/158/150

90-DAY MEAN 06 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 MAY 08

ESTIMATED AFR/AP 06 MAY 03/07

PREDICTED AFR/AP 07-09 MAY 10/10 - 15/15 - 15/20

SOLTERWARN

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