

NFUS 3 BOU 050500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 125A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0500Z 05 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1092 (N23W53) SHOWS SIGNS OF MAIN UMBRAL SEPARATION WHICH MAY INDICATE RELAXING OF THE MAGNETIC GRADIENTS.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A MODERATE OR HIGH LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD CAN BE EXPECTED TO BE QUIET OR UNSETTLED THRU THE DAY.

III. EVENT PROBABILITIES 05-07 MAY

CLASS M 95/95/95

CLASS X 70/70/70

PROTON 60/60/60

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAY 175

PREDICTED 05-07 MAY 176/172/172

90-DAY MEAN 04 MAY 148

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 03 MAY 49

ESTIMATED AFR/AP 04 MAY 50/81

PREDICTED AFR/AP 05-07 MAY 20/25 - 15/20 + 20/30

BT

SOLTERWARN

BT

NFUS 3 BOU 051500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 125B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 05 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE THE PAST 12 HOURS. SEVERAL SMALL CLASS C X-RAY BURSTS AND ONE CLASS M X-RAY BURST WERE OBSERVED. THE M CLASS X-RAY BURST HAD NO OPTICAL CORRELATION BUT IT IS BELIEVED TO HAVE COME FROM REGION 1092 (N2IW58) AS DID MOST OF THE CLASS C X-RAY BURST. REGION 1092, IN ADDITION TO THE SMALL FLARES, IS ALSO PRODUCING POINT BRIGHTENINGS. THE NEUTRAL LINE IN THE VICINITY OF THE DELTA CONFIGURATION IS QUITE DISTINCT AND IT IS BELIEVED THAT THE UMBRAL SEPARATION OF THE SPOTS COMPRISING THE DELTA HAS NOW CEASED. OTHER DISK REGIONS ARE LITTLE CHANGED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH BRIEF PERIODS OF HIGH ACTIVITY LIKELY.

II. THE GEOMAGNETIC FIELD IS QUIET. UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS ARE EXPECTED DURING THE NEXT 18-24 HOURS WITH A CHANCE OF RECURRENT ACTIVITY PRECIPITATING ACTIVE TO MINOR STORM CONDITIONS ON 6 MAY.

III. EVENT PROBABILITIES 05-07 MAY

CLASS M 95/95/95

CLASS X 70/70/70

PROTON 60/60/60

FCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAY 175

PREDICTED 05-07 MAY 176/172/172

90-DAY MEAN 04 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 MAY 49

ESTIMATED AFR/AP 04 MAY 50/81

PREDICTED AFR/AP 05-07 MAY 10/15 - 15/20 - 20/30

SOLTERWARN

BT

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO.

SDF NUMBER 125

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 MAY 1978

I A. SOLAR ACTIVITY HAS BEEN GENERALLY LOW DURING THE PAST 24 HOURS. REGION 1092 (N23W64) REMAINS DYNAMIC AS INDICATED BY FREQUENT POINT BRIGHTENINGS AND THE PRODUCTION OF SMALL FLARES. THE LARGEST FLARE FROM 1092 WAS AN OPTICAL SUBBRILLIANT BUT IT IS BELIEVED THAT BOTH OF THE CLASS M1 XRAY BURSTS THIS ZULU DAY CAME FROM REGION 1092. OBSERVATIONS HAVE BEEN SEVERELY HAMPERED BY WEATHER BUT THE X-RAY CHANNELS AND THE RADIO NOISE LEVELS INDICATE DYNAMIC OCCURRENCES ARE TAKING PLACE. A NEW REGION 1105 (N16E78) IS AT LEAST A TYPE C SPOT GROUP AND HAS PRODUCED SURGING MOST OF TODAY. REGION 1102 (N18 E23) MAY BE INCREASING IN COMPLEXITY AS THE NEUTRAL LINE NOW HAS SEVERAL KINKS AND BENDS. THE REST OF THE DISK IS LITTLE CHANGED.

I B. SOLAR ACTIVITY WILL BE AT LOW TO MODERATE LEVELS.

II. THE GEOMAGNETIC FIELD IS QUIET. ACTIVE CONDITIONS ARE EXPECTED FOR 6 MAY.

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 08/08

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

SOLTERWARN

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