

HFUS 3 BOU 020430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 122A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 02 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1092 (N27W 12)
PRODUCED THE MOST SIGNIFICANT EVENT OF THE PERIOD AT 02/0120Z
WITH A SUB-NORMAL M-2 EVENT. OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD BE MODERATE TO HIGH.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVELS AND
SHOULD CONTINUE AT MINOR TO MAJOR STORM LEVELS THRU THE DAY.
THE PCA REMAINS IN PROGRESS WITH 2.2 DB ABSORPTION AT LAST
READING.

III. EVENT PROBABILITIES 02 MAY - 04 MAY

CLASS M 95/95/95

CLASS X 70/70/70

PROTON 90/60/70

PCAF IN PROGRESS

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 179

PREDICTED 02-04 MAY 176/173/170

90-DAY MEAN 01 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 APRIL 32

ESTIMATED AFR/AP 01 MAY 50/88

PREDICTED AFR/AP 02-04 MAY 55/60 - 50/50 - 40/40

SOLTERWARN

BT

HFUS 3 BOU 021500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 122B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 2 MAY 1978

IA. SOLAR ACTIVITY CONTINUES TO BE MODERATE. NO MAJOR EVENTS HAVE BEEN REPORTED ALTHOUGH NEARLY CONTINUOUS SMALL FLARES ARE OCCURRING FROM REGIONS 1092 (N22W17), 1095 (N23E05), 1098 (S27W82) AND 1099 (S27E69). REGION 1095 APPEARS TO HAVE GROWN SOME AND REGION 1099 IS BECOMING MORE ACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A MODERATE TO HIGH LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVELS AND IS EXPECTED TO REMAIN AT MINOR TO MAJOR STORM LEVELS THROUGH THE NEXT 24 HOURS THE PCA REMAINS IN PROGRESS WITH CURRENT ABSORPTION OF 1.6 DB.

III. EVENT PROBABILITIES 02 MAY - 04 MAY

| | |
|---------|-------------|
| CLASS M | 95/95/95 |
| CLASS X | 70/70/70 |
| PROTON | 50/60/70 |
| PCAP | IN PROGRESS |

IV. OTTAWA 10.7 CM FLUX

| | |
|-------------|-----------------------|
| OBSERVED | 01 MAY 179 |
| PREDICTED | 02-04 MAY 176/173/170 |
| 90-DAY MEAN | 01 MAY 147 |

V. GEOMAGNETIC A INDICES

| | |
|-------------------------|------------------------------------|
| OBSERVED FREDERICKSBURG | 30 APRIL 32 |
| ESTIMATED AFR/AP | 01 MAY 50/88 |
| PREDICTED AFR/AP | 02 - 04 MAY 70/115 - 50/50 - 40/40 |

SOLTERWARN

BT

MFUS 130U 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 122

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 02 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. REGION 1092 (N21W21) APPEARS TO HAVE STABILIZED SOMEWHAT IN THE LAST SEVERAL HOURS BUT RETAINS ITS COMPLEXITY AND ITS DELTA

CONFIGURATION. ONLY SMALL FLARES HAVE BEEN REPORTED. REGION 1095 (N23W73) UNDERWENT SOME RAPID GROWTH AND ACQUIRED A DELTA CONFIGURATION. FREQUENCY OF FLARES FROM THIS REGION HAVE

INCREASED BUT REMAIN IN THE SUBFLARE CATEGORY. REGION 1098 (S29W85) HAS PRODUCED SEVERAL SUBFLARES. LIMB PROXIMITY MAKES GOOD ANALYSIS DIFFICULT BUT REGION APPEARS TO STILL HAVE SOME

POTENTIAL FOR FURTHER ACTIVITY. REGION 1099 (S26E60) HAS GROWN SOME BUT HAS PRODUCED FEW FLARES. 1099 APPEARS TO BE IMPROVING ITS CAPABILITY TO PRODUCE ENERGETIC EVENTS. ONE NEW REGION 1102

(N17E67) HAS APPEARED AS A B TYPE WITH TWO SPOTS. REGIONS 1100 (N31W41) AND 1101 (S23E21) ARE QUIET AND UNINTERESTING.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO HIGH. REGIONS 1092 AND 1095 ARE BOTH CAPABLE OF MAJOR ACTIVITY ALTHOUGH IT APPEARS THERE MAY BE A SHOCK LULL BEFORE ACTIVITY INCREASES.

SOME MODERATE ACTIVITY IS POSSIBLE FROM REGIONS 1098 AND 1099. II. THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVELS THROUGH THE PAST 24 HOURS. THE FIELD HAS BECOME QUIET IN THE PAST SIX

HOURS BUT SHOULD BECOME ACTIVE AGAIN AS EFFECTS OF THE 30 APRIL EVENT ARRIVE. THE PCA ENDED AT 1800Z HOWEVER THE THULE 30 MHZ RIOMETER INDICATES THERE IS STILL 1.3 DB ABSORPTION.

III. EVENT PROBABILITIES 03 MAY - 05 MAY

CLASS M 95/95/95

CLASS X 70/70/70

PROTON 50/60/70

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAY 180

PREDICTED 03-05 MAY 176/172/164

90-DAY MEAN 02 MAY 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 MAY 66

ESTIMATED AFR/AP 02 MAY 55/115

PREDICTED AFR/AP 03-05 MAY 50/50 - 40/40 - 20/20

SOLTERWARN

BT