

HFUS 3 BOU 010430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 121A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 01 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST SEVEN HOURS. REGION 1092
(N21E04) RETAINS STRONG GRADIENTS AND DYNAMIC STRUCTURAL CHANGES.

REGION 1098 (S29W63) HAS GROWN RAPIDLY TO A D-TYPE SPOT GROUP.

NEW REGION 1099 (S27E85) IS CURRENTLY ROTATING ON TO THE DISK.

THIS REGION IS CROSSING THE LIMB WITH NEAR CONTINUOUS SURGING
WITH TWO FLARES BEING REPORTED IN 1099 BY CULGOORA.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO HIGH.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THE PAST SEVEN HOURS.
THE FIELD IS EXPECTED TO BE GENERALLY AT STORM LEVELS THE NEXT 48
HOURS, WITH PERIODS AT ACTIVE OR UNSETTLED LEVELS. PCA IS STILL IN
PROGRESS, MAXIMUM ABSORPTION WAS 9.8 DB AT 1745Z. CURRENT LEVEL
IS 6 DB.

III. EVENT PROBABILITIES 01 MAY - 03 MAY

CLASS M 95/95/95

CLASS X 80/70/70

PROTON 40/50/50

PCAF IN PROGRESS

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APRIL 210 (FLARE ENHANCED)

PREDICTED 01-03 MAY 192/194/196

90-DAY MEAN 30 APRIL 147

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 29 APRIL 06

ESTIMATED AFR/AP 30 APRIL 30/34

PREDICTED AFR/AP 01-03 MAY 50/50 - 55/60 - 30/30

SOLTERWARN

BT

HFUS 3 BOU 011500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 121B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 01 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE THE PAST 10 HOURS. NO SIGNIFICANT CHANGES HAVE BEEN NOTED IN DISK OR LIMB FEATURES. EVENT ACTIVITY HAS BEEN LIMITED TO A SB FLARE IN REGION 1098 (S28W78) AND SEVERAL LOW C-CLASS X-RAY BURSTS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO HIGH. REGION 1092 (N23W01) IS EXPECTED TO BE THE PRIMARY CONTRIBUTOR OF ACTIVITY WITH LOWER LEVELS FROM REGIONS 1098 AND 1099 (S27E78).

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THE PAST 10 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY AT STORM LEVELS THROUGH THE NEXT 48 HOURS WITH PERIODS AT ACTIVE OR UNSETTLED LEVELS. THE PCA IS STILL IN PROGRESS WITH CURRENT ABSORPTION AT ABOUT 7 DB.

III. EVENT PROBABILITIES 01 MAY - 03 MAY

CLASS M 95/95/95

CLASS X 80/70/70

PROTON 40/50/50

RCAF IN PROGRESS

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APRIL 210 (FLARE ENHANCED)

PREDICTED 01 - 03 MAY 192/194/196

90-DAY MEAN 30 APRIL 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 APRIL 06

ESTIMATED AFR/AP 30 APRIL 30/34

PREDICTED AFR/AP 01 - 03 MAY 50/50 - 55/50 - 30/30

SOLTERWARN

BT

HFUS 1 BOU 012200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 121

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. REGION 1092 (N21W04) REMAINS DYNAMIC WITH CONTINUING SPOT MOTION. SOME APPARENT RELAXATION WAS NOTED BY RAMEY. THE REGION HAS CONTINUED TO PRODUCE OCCASIONAL FLARES THE LARGEST BEING A 3B/M7 AT 1920Z. REGIONS 1098 (S29W74) AND 1099 (S29E68) HAVE PRODUCED SEVERAL SUBFLARES AND BOTH APPEAR ACTIVE. TWO NEW REGIONS 1100 (N31W28) AND 1101 (S22E41) HAVE BEEN REPORTED WITH BOTH APPEARING STABLE AT THIS TIME.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO HIGH. REGION 1092 IS STILL CAPABLE OF MAJOR ACTIVITY. REGIONS 1098 AND 1099 SHOULD CONTINUE TO PRODUCE LOWER LEVELS OF ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN AT OR NEAR STORM LEVELS THROUGH THE PAST 24 HOURS. A SUDDEN COMMENCEMENT WAS RECORDED AT 1840Z APPARENTLY IN RESPONSE TO THE EVENT OF 29/1853Z. CONTINUED STORM CONDITIONS ARE EXPECTED THROUGH THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 02 MAY - 04 MAY

CLASS M 95/95/95

CLASS X 70/70/70

PROTON 50/60/70

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 50/55

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

SOLTERWARN

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