

090
HFUS 1 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 091

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 31 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS.
REGION 690 (S08E01) HAS SHOWN OCCASIONAL FLUCTUATIONS AND CONTINUES
TO SLOWLY DECLINE. REGION 691 (N06W79) REMAINS UNCHANGED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE TO LOW THROUGH-
OUT THE FORECAST PERIOD. HOWEVER, THE POSSIBILITY OF A MAJOR
FLARE WILL STILL EXIST.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET AND IS
EXPECTED TO BE UNSETTLED THROUGHOUT THE FORECAST PERIOD. THE
BRIEF FLARE INDUCED MAJOR MAGNETIC STORM THAT HAD BEEN PREDICTED
FOR 31 MARCH IS NOW NOT EXPECTED TO MATERIALIZE.

III. EVENT PROBABILITIES 31 MAR - 02 APR

CLASS M 75/75/50

CLASS X 25/25/15

PROTON 25/25/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAR 83

PREDICTED 31 MAR - 02 APR 82/81/79

90-DAY MEAN 30 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 MAR 19

ESTIMATED AFR/AP 30 MAR 9/9

PREDICTED AFR/AP 31 MAR - 02 APR 9/10 - 13/15 - 19/25

SOLTERWARN

BT

HFUS 1 BOU 310545

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 091A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 31 MARCH 1976

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. REGION 690
(S08W03) HAS SHOWN CONTINUED FLUCTUATIONS TO CLASS-C X-RAY INTENSITY
BUT SO FAR NO ENERGETIC EVENTS, OR SIGNIFICANT CHANGE. REGION 691
(N06W83) REMAINS SIMPLE AND QUIET.

IB. ACTIVITY LEVELS SHOULD REMAIN LOW TO MODERATE, HOWEVER THE
POSSIBILITY OF A MAJOR FLARE STILL EXISTS FROM REGION 690.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 8 HOURS AND
IS EXPECTED TO REMAIN SO UNTIL RECURRENT ACTIVE CONDITIONS BEGIN
AROUND 02 APRIL. THE BRIEF MAJOR MAGNETIC STORM PREVIOUSLY EXPECTED
AS A RESULT OF ENERGETIC FLARE ACTIVITY HAS NOT OCCURRED AND IS NOW
NOT LIKELY TO ARRIVE.

III. EVENT PROBABILITIES 31 MARCH - 02 APRIL

CLASS M 75/75/50

CLASS X 25/25/15

PROTON 25/25/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MARCH 83

PREDICTED 31 MARCH - 02 APRIL 82/81/79

90-DAY MEAN 30 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 MARCH 19

ESTIMATED AFR/AP 30 MARCH 11/14

PREDICTED AFR/AP 31 MARCH - 02 APRIL 09/10 - 13/15 - 19/25

SOLTERWARN

BT

HFUS 1 BOU 311500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 091-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 31 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 9 HOURS. REGION 690
(S08W07) CONTINUES TO FLUCTUATE AND PRODUCE OCCASIONAL FLARES
PRIMARILY IN THE SUB C CLASS. REGION 691 HAS NOW ROTATED OFF THE
DISK. OBSERVATORY REPORTS FROM ATHENS INDICATE A POSSIBLE NEUTRAL
LINE CONNECTION BETWEEN THE TWO REGIONS.

IB. ACTIVITY LEVELS ARE EXPECTED TO REMAIN LOW, HOWEVER REGION
691 STILL APPEARS TO HAVE ENERGETIC FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 9 HOURS
AND IS EXPECTED TO REMAIN SO UNTIL RECURRENT ACTIVITY ARRIVES
AROUND 02 APRIL.

III. EVENT PROBABILITIES 31 MAR - 02 APR

CLASS M 75/75/50

CLASS X 25/25/15

PROTON 25/25/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAR 83

PREDICTED 31 MAR - 02 APR 82/81/79

90-DAY MEAN 30 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 MAR 19

ESTIMATED AFR/AP 30 MAR 11/14

PREDICTED AFR/AP 31 MAR - 02 APR 09/10 - 13/15 - 19/25

SOLTERWARN

BT

HFUS 1 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 091

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 31 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS WITH REGION
690 (S08W11) CONTINUEING TO PRODUCE SMALL FLARES. THE REGION
APPEARED TO DECAY SLIGHTLY FOR A PERIOD THEN BEGAN DEVELOPING
AGAIN. SEVERAL SUB C-CLASS X-RAY EVENTS HAVE BEEN RECORDED ALONG
WITH ONE C-2 AND ONE C-6 EVENT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH THE FORECAST
PERIOD WITH OCCASIONAL C-CLASS EVENTS. PROBABILITY OF M CLASS OR
GREATER REAMINS HIGH AS REGION SHOWS LITTLE SIGN OF SIGNIFICANT
DETERORATION.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 24 HOURS
AND IS EXPECTED TO REMAIN SO UNTIL THE RETURN OF RECURRENT ACTIVITY.

III. EVENT PROBABILITIES 01 - 03 APR

CLASS M 75/75/50

CLASS X 25/25/15

PROTON 25/25/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAR 83

PREDICTED 01 - 03 APR 83/83/81

90-DAY MEAN 31 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MAR 09

ESTIMATED AFR/AP 31 MAR 09/10

PREDICTED AFR/AP 01 - 03 APR 13/15 - 19/25 - 19/25

SOLTERWARN

BT