

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100Z TO 02/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS 4751 AND 4752 HAVE ROTATED OFF THE SOLAR DISK. AN ACTIVE PROMINENCE WAS OBSERVED FROM 4752 ON THE WEST LIMB AT ABOUT S20. REGION 4754 (NOOW09) IS BREAKING UP FROM ITS SINGLE H-TYPE SPOT CONFIGURATION. REGION 4755 (NO2E04) ALSO SEEMS TO BE ON THE DECLINE AS ITS TRAILER SPOTS ARE LOSING PENUMBRA AND THE POLES OF THE REGION ARE SPREADING APART. BOTH REGIONS HAVE PRODUCED A FEW SUBFLARES DURING THE PERIOD. RADIO NOISE AND BURSTS AT 245MHZ HAVE BEEN OBSERVED FREQUENTLY DURING THE DAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN :::: QUIET TO UNSETTLED: ::::.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY QUIET ON 3 NOVEMBER, BECOMING UNSETTLED WITH PERIODS OF ACTIVE CONDITIONS LATE ON 4 NOVEMBER AND CONTINUING THROUGH 5 NOVEMBER.

III. EVENT PROBABILITIES 03 NOV-05 NOV

CLASS M 08/07/06

CLASS X 01/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 NOV 086

PREDICTED 03 NOV-05 NOV 084/082/080

90 DAY MEAN 02 NOV 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 NOV 011/017

ESTIMATED AFR/AP 02 NOV 005/009

PREDICTED AFR/AP 03 NOV-05 NOV 005/011-010/011-015/011

NNNN

<003>

11/02 22:05

2219

HFUS3 BOU 022205 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 306

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 NOV 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100Z TO 02/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS 4751 AND 4752 HAVE ROTATED OFF THE SOLAR DISK. AN ACTIVE PROMINENCE WAS OBSERVED FROM 4752 ON THE WEST LIMB AT ABOUT S20. REGION 4754 (NOOW09) IS BREAKING UP FROM ITS SINGLE H-TYPE SPOT CONFIGURATION. REGION 4755 (NO2E04) ALSO SEEMS TO BE ON THE DECLINE AS ITS TRAILER SPOTS ARE LOSING PENUMBRA AND THE POLES OF THE REGION ARE SPREADING APART. BOTH REGIONS HAVE PRODUCED A FEW SUBFLARES DURING THE PERIOD. RADIO NOISE AND BURSTS AT 245MHZ HAVE BEEN OBSERVED FREQUENTLY DURING THE DAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/01/86 00:00:00

End : 11/01/86 23:59:00

11/01 22:02

2205

HFUS3 BOU 012202

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 305

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 NOV 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100Z TO 01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE REMAINS OF REGIONS 4751 (N26W86) AND 4752 (S16W81) ARE VERY QUIET AND ARE ROTATING OFF THE SOLAR DISK. REGION 4753 (S21W28) APPEARS TO BE ON THE DECLINE. REGION 4755 (N01E17) AND REGION 4754 PRODUCED CONCURRENT SUBFLARES FROM 31/2116-31/2240Z AND FROM 31/2159Z TO 31/2225Z RESPECTIVELY. A LONG DURATION X-RAY EVENT WAS OBSERVED IN THE SAME TIME PERIOD FROM 2059-2400Z WITH A MAXIMUM OF C1.8 AT 2215Z. ANOTHER LONG DURATION X-RAY ENHANCEMENT WAS OBSERVED FROM 01/0539Z TO 01/1300Z WITH A B7.8 SUBFLARE (0552Z) AND A C3.1 OPTICAL CLASS 1 FLARE (0908Z) SUPERPOSED. THIS ACTIVITY WAS PRODUCED BY 4754.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. THERE REMAINS A SLIGHT CHANCE OF M-FLARES FROM REGIONS 4754 AND 4755.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE EARLY IN THE PERIOD AND BECAME GENERALLY QUIET AFTER ABOUT 01/1200Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY QUIET FOR 2-3 NOVEMBER, AND UNSETTLED ON 4 NOVEMBER. A SLIGHT INCREASE IN ACTIVITY IS EXPECTED TO BEGIN LATE ON THE 4TH FROM AN INFERRED CORONAL MASS EJECTION. THIS INFERENCE IS BASED ON THE LONG DURATION X-RAY EVENTS MENTIONED IN PART IA WHICH COINCIDE WITH THE LOSS OF FILAMENTARY MATERIAL NEAR REGION 4754.

III. EVENT PROBABILITIES 02 NOV-04 NOV

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 NOV 091

PREDICTED 02 NOV-04 NOV 087/087/087

90 DAY MEAN 01 NOV 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 OCT 004/012

ESTIMATED AFR/AP 01 NOV 010/014

PREDICTED AFR/AP 02 NOV-04 NOV 007/012-005/012-010/010

NNNN

<003>

11/01 22:02

2225
HFUS3 BOU 012202 RTD
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 305

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 01 NOV 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100Z
01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE REMAINS OF
REGIONS 4751 (N26W86) AND 4752 (S16W81) ARE VERY QUIET AND ARE
ROTATING OFF THE SOLAR DISK. REGION 4753 (S21W28) APPEARS TO BE
ON THE DECLINE. REGION 4755 (N01E17) AND REGION 4754 PRODUCED
CONCURRENT SUBFLARES FROM 31/2116-31/2240Z AND FROM 31/2159Z TO
31/2225Z RESPECTIVELY. A LONG DURATION X-RAY EVENT WAS OBSERVED
IN THE SAME TIME PERIOD FROM 2059-2400Z WITH A MAXIMUM OF C1.8
AT 2215Z. ANOTHER LONG DURATION X-RAY ENHANCEMENT WAS OBSERVED
FROM 01/0539Z TO 01/1300Z WITH A B7.8 SUBFLARE (0552Z) AND A
C3.1 OPTICAL CLASS 1 FLARE (0908Z) SUPERPOSED. THIS ACTIVITY
WAS PRODUCED BY 4754.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW. THERE REMAINS A SLIGHT CHANCE OF M-FLARES
FROM REGIONS 4754 AND 4755.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z:
THE GEOMAGNETIC FIELD WAS ACTIVE EARLY IN THE PERIOD AND
BECAME GENERALLY QUIET AFTER ABOUT 01/1200Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY QUIET FOR 2-3 NOVEMBER, AND UNSETTLED
ON 4 NOVEMBER. A SLIGHT INCREASE IN ACTIVITY IS EXPECTED TO
BEGIN LATE ON THE 4TH FROM AN INFERRED CORONAL MASS EJECTION.
THIS INFERENCE IS BASED ON THE LONG DURATION X-RAY EVENTS
MENTIONED IN PART IA WHICH COINCIDE WITH THE LOSS OF
FILAMENTARY MATERIAL NEAR REGION 4754.

III. EVENT PROBABILITIES 02 NOV-04 NOV

CLASS M 15/15/15
CLASS X 01/01/01
PROTON 05/05/05
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 NOV 091
PREDICTED 02 NOV-04 NOV 087/087/087
90 DAY MEAN 01 NOV 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 OCT 004/012
ESTIMATED AFR/AP 01 NOV 010/014
PREDICTED AFR/AP 02 NOV-04 NOV 007/012-005/012-010/010

NNNN

<003>