

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/08/86 00:00:00

End : 07/08/86 23:59:00

07/08 22:00

2136

HFUS3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 189

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY WAS VERY QUIET DURING THE PAST 24 HOURS. REGION 4734 (N26W74 BXO/BETA) HAS CONTINUED TO HAVE PLAGE FLUCTUATIONS AND POINT BRIGHTENINGS, BUT CONTINUES TO DECAY SLOWLY. REGION 4735 (N01E39 DAO/BETA) HAS STABILIZED IN GROWTH FOR THE PRESENT, BUT CONTINUES TO HAVE BOTH X-RAY AND OPTICAL FLARES. MOST ACTIVITY HAS OCCURRED IN THE TRAILER PORTION OF THAT REGION. REPORTS INDICATE A SLIGHT INCREASE IN COMPLEXITY BASED ON THE CHANGE OF CONFIGURATION OF THE NEUTRAL LINE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4735 CONTINUES TO DESERVE THE RESPECT OF WATCHING IT FOR SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED WITH BRIEF PERIODS OF ACTIVE LEVELS OBSERVED AT HIGH LATITUDES LATE IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE MOSTLY QUIET TO UNSETTLED ON 9 AND 10 JULY. ACTIVITY IS EXPECTED TO INCREASE TO ACTIVE LEVELS ON 11 JULY IN RESPONSE TO A FILAMENT (S45W01 9 DEG.) THAT DISAPPEARED ON 6 JULY AND THE ACTIVITY FROM REGION 4735.

III. EVENT PROBABILITIES 09 JUL-11 JUL

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUL 069

PREDICTED 09 JUL-11 JUL 071/070/070

90 DAY MEAN 08 JUL 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 JUL 004/008

ESTIMATED AFR/AP 08 JUL 005/012

PREDICTED AFR/AP 09 JUL-11 JUL 005/012-010/015-015/018

SOLTERWARN

BT

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07/08 22:00

2312

HFUS3 BOU 082200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 189

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

0003

07/08 22:00

2340

HFUS3 BOU 082200 COR  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 189

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

: : : : : CORRECTED TEXT : : : : : : : : :

ISSUED 2200Z 08 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100  
TO 08/2100Z: SOLAR ACTIVITY WAS VERY QUIET DURING THE PAST 24  
HOURS. REGION 4734 (N26W74 BXO/BETA) HAS CONTINUED TO HAVE  
PLAGE FLUCTUATIONS AND POINT BRIGHTENINGS, BUT CONTINUES TO  
DECAY SLOWLY. REGION 4735 (N01E39 DAO/BETA) HAS STABILIZED IN  
GROWTH FOR THE PRESENT, BUT CONTINUES TO HAVE BOTH X-RAY AND  
OPTICAL FLARES. MOST ACTIVITY HAS OCCURRED IN THE TRAILER  
PORTION OF THAT REGION. REPORTS INDICATE A SLIGHT INCREASE IN  
COMPLEXITY BASED ON THE CHANGE OF CONFIGURATION OF THE NEUTRAL  
LINE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
REMAIN VERY LOW. REGION 4739 CONTINUES TO DESERVE THE RESPECT  
OF WATCHING IT FOR SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z:  
THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED WITH BRIEF PERIODS  
OF ACTIVE LEVELS OBSERVED AT HIGH LATITUDES LATE IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS  
EXPECTED TO BE MOSTLY QUIET TO UNSETTLED ON 9 AND 10 JULY AT  
MIDDLE LATITUDES. ACTIVITY IS EXPECTED TO INCREASE TO ACTIVE  
LEVELS ON 11 JULY IN RESPONSE TO A FILAMENT (S45W01 9 DEG.)  
THAT DISAPPEARED ON 6 JULY AND THE ACTIVITY FROM REGION 4735 .

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