

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/28/86 00:00:00

End : 05/28/86 23:59:00

05/28 22:00

2143

US3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 148

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MAY 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4731

(NOBWS8) CONTINUED TO DECAY IN WHITE LIGHT AND H-ALPHA. A VERY DARK, BUSHY, 14 DEGREE LONG FILAMENT, POSITIONED JUST NORTHEAST OF THE REGION, HAS BEEN QUITE ACTIVE IN THE LAST FEW HOURS.

NEWLY ASSIGNED REGION 4732 (SOOW30) CONSISTS OF SCATTERED

PLAGE, A SINGLE SPOT, AND A WEAK ARCH-FILAMENT SYSTEM.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. CONDITIONS COULD CHANGE PENDING CONTINUED ACTIVITY OF THE FILAMENT NEAR REGION 4731. ITS ERUPTION COULD BRING M-CLASS ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS THROUGHOUT THE INTERVAL.

III. EVENT PROBABILITIES 29 MAY-31 MAY

CLASS M 25/10/10

CLASS X 05/01/01

PROTON 05/01/01

RF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 072

PREDICTED 29 MAY-31 MAY 072/071/070

90 DAY MEAN 28 MAY 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAY 009/011

ESTIMATED AFR/AP 28 MAY 005/009

PREDICTED AFR/AP 29 MAY-31 MAY 010/013-015/019-010/014

SOLTERWARN

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