

HFXS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 285

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4747 (N35W83) IS AN HSX TYPE SPOT GROUP. REGIONS 4748 (S03W79) AND 4749 (S04W74) ARE BXD TYPE SPOT GROUPS. ONLY MINOR FLARE ACTIVITY WAS OBSERVED TODAY. A 12-DEGREE FILAMENT DISAPPEARED NEAR N39W61 LATE ON 11 OCTOBER. NO NEW REGIONS WERE NUMBERED AND THE DISK AND LIMBS WERE RELATIVELY QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. THERE IS A SLIGHT CHANCE FOR AN M-CLASS X-RAY FLARE. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO INCREASE OVER THE NEXT THREE DAYS. ACTIVE CONDITIONS WILL PREDOMINATE WITH BRIEF UNSETTLED PERIODS AT MIDDLE LATITUDES AND BRIEF MINOR STORM PERIODS AT HIGH LATITUDES. THIS PATTERN OF RECURRENT ACTIVITY HAS BEEN OBSERVED ON SEVERAL PAST SOLAR ROTATIONS.

III. EVENT PROBABILITIES 13 OCT-15 OCT

CLASS M 05/05/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 OCT 076

PREDICTED 13 OCT-15 OCT 074/073/072

90 DAY MEAN 12 OCT 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 OCT 004/007

ESTIMATED AFR/AP 12 OCT 004/007

PREDICTED AFR/AP 13 OCT-15 OCT 015/020-015/020-020/030

SOLTERWARN

BT

HXUS BOU 122200

PREDM 00513 00514 00215

PREDX 00113 00114 00115

PREDP 00113 00114 00115

PCAF 00113

TENCM 07413 07314 07215

AFRED 01513 01514 02015

AFAPP 02013 02014 03015

BT