JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 336 ISSUED AT 2200Z ON 02 DEC 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100Z TO 02/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 7624 (N04W42) AND REGION 7627 (S18E43) REMAIN AS THE TWO MOST IMPRESSIVE REGIONS ON THE DISK. REGION 7627 WAS RESPONSIBLE FOR THE ONLY OPTICALLY CORRELATED FLARE, A WEAK B6/SF. BOTH REGIONS GREW SLIGHTLY OVERNIGHT BUT BASICALLY REMAIN SIMPLE BETA GROUPS. REGION 7628 ROTATED OFF THE DISK.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. BOTH REGIONS 7624 AND 7627 HAVE GOOD POTENTIAL FOR PRODUCING C-CLASS FLARE ACTIVITY AND AN OUTSIDE CHANCE OF PRODUCING ISOLATED M-CLASS ACTIVITY.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO MINOR STORM LEVELS FOR THE PAST 24 HOURS AT MID LATITUDES AND UNSETTLED TO MAJOR STORM LEVELS AT HIGH LATITUDES. SINCE 12Z, MID LATITUDE ACTIVITY HAS DECLINED TO ACTIVE LEVELS. ACTIVITY IS MOST LIKELY THE RESULT OF A FAVORABLY POSITIONED CORONAL HOLE.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO DECLINE TO MOSTLY UNSETTLED TO ACTIVE LEVELS FOR DAYS ONE AND TWO AND MOSTLY UNSETTLED LEVELS ON DAY THREE.
III. EVENT PROBABILITIES 03 DEC-05 DEC
CLASS M 10/15/20
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 02 DEC 104
PREDICTED 03 DEC-05 DEC 110/110/105
90 DAY MEAN 02 DEC 095
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 01 DEC 020/022
ESTIMATED AFR/AP 02 DEC 030/033
PREDICTED AFR/AP 03 DEC-05 DEC 025/025-015/020-010/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 03 DEC-05 DEC
A. MIDDLE LATITUDES
ACTIVE 20/20/15
MINOR STORM 30/20/10
MAJOR-SEVERE STORM 20/10/05
B. HIGH LATITUDES
ACTIVE 30/25/20
MINOR STORM 40/30/20
MAJOR-SEVERE STORM 20/15/10