HFUS 1 BOU 091300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 160A
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 09 JUN 1982
IA.  ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
08/1200Z TO 09/1200Z:  SOLAR ACTIVITY HAS BEEN MODERATE.  REGION
3763(S08W12) CONTINUES TO PRODUCE SMALL CLASS M XRAY EVENTS.
THOSE IN THE PAST 24 HOURS: M1/1B 08/1806Z, M1/1B 08/2003Z,
M3/1N 08/2345Z, M1/1B 09/0732Z AND M1/1B 09/1138Z.  THE
ASSOCIATED SUNSPOT GROUP IS SHOWING SIGNS OF DECAY AND RELAXED
MAGNETIC GRADIENTS.  IT RETAINS A DELTA CONFIGURATION AND HAS
SOME EMBEDDED FILAMENTS, INDICATING POTENTIAL FOR AN ADDITIONAL
MAJOR FLARE.  MINOR GROWTH HAS OCCURRED IN  REGION
3770(S18E41), BRINGING ITS SPOT CLASS UP TO DAO.  IMPORTANT
SURGES ARE NOW APPEARING AT S12 E90 IN ASSOCIATION WITH A LARGE
PLAGE THAT HAS YET TO SHOW SPOTS.  THIS REGION IS DESIGNATED
3773.  MINOR SURGES ACCOMPANY THE EASTLIMB PASSAGE OF REGION
3772 (N18E79).  A SMALL SINGLE SPOT AT S03E50 HAS BEEN
DESIGNATED 3771.
IB.  SOLAR ACTIVITY FORECAST:  THE LEVEL OF SOLAR ACTIVITY IS
EXPECTED TO REMAIN MODERATE UNTIL MORE SUBSTANTIAL DECAY OF
REGION 3763.  AN ADDITIONAL CLASS X/PROTON EVENT IS POSSIBLE
FROM THIS REGION.  THE RETURN OF REGIONS 3739/3740 TO NE LIMB
ON 11 JUNE MAY UPHOLD MODERATE ACTIVITY EVEN IF REGION 3763
SUBSIDES.
II.  GEOPHYSICAL SUMMARY AND FORECAST:  A SUDDEN COMMENCEMENT OF
73 GAMMAS OCCURRED AT 0040Z ACCOMPANIED BY A SHARP INCREASE IN
PROTON FLUX AT GT 10 MEV.  THE GEOMAGNETIC FIELD HAS BEEN ONLY
UNSETTLED SINCE THE SSC.  THE PROTON EVENT PEAKED AT 31 CTS/SEC
AT 0510Z AND REMAINS NEAR 22 CTS/SEC AT 1200Z.
III.  EVENT PROBABILITIES 10 JUN-12 JUN
CLASS M     99/90/80
CLASS X     20/15/10
PROTON      10/10/10
PCAF        YELLOW
IV.  OTTAWA 10.7 CM FLUX
OBSERVED            08 JUN  162
ESTIMATED           09 JUN  162
PREDICTED   10 JUN-12 JUN  162/163/166
90 DAY MEAN         08 JUN  165
V.  GEOMAGNETIC A INDICES
OBSERVED  AFR    07 JUN    021       AP 08 JUN   012
ESTIMATED AFR    08 JUN    008  AFR/AP 09 JUN  016/020
PREDICTED AFR/AP 10 JUN-12 JUN  025/025-014/020-014/020
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