

MSU #71(, ,1)58(UXVQ104&"VKX
AI4N0V00L0:,19\$

BXAKKKQWMNNNN 01;."41((UKQW

UUV

PP KGFF

DE BOU 061735Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 949A ISSUED 1700Z JULY 06 1968

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. THE NEW EAST-LIMB REGION /N12E30/ HAS BEEN THE ORIGIN OF
TWO IMPORTANCE TWO FLARES EARLIER THIS MORNING. THE START
TIMES WERE 06/0712Z AND 06/0935Z. THE 0935Z FLARE WAS THE
MOST IMPRESSIVE WITH LARGE RADIO BURSTS RECORDED ON FREQUENCIES
RANGING FROM 1415 TO 8800 MHZ. SHORT-WAVE-FADES WERE REPORTED
BY LONDON CMA CANARY ISLANDS CMA AND TRINIDAD INDICATING
WIDESPREAD IONOSPHERIC EFFECTS. SATELLITE DATA FROM VELA AND
PIONEER HAVE INDICATED THE PRESENCE OF X-RAYS AND PARTICLE
COUNT ENHANCEMENT ASSOCIATED WITH THE 0935Z FLARE. THIS ACTIVE
REGION HAS GROWN SINCE FORECAST 948B AND HAS INDICATED CMA
THROUGH PLAGE ENHANCEMENT AND POINT BRIGHTENINGS CMA THAT THIS
CENTER OF ACTIVITY WILL CONTINUE TO BE ACTIVE FOR THE NEXT FEW
DAYS. ALL OTHER REGIONS APPEAR TO BE INACTIVE. A MAGNETIC
STORM IS POSSIBLE BEGINNING 24-48 HOURS AFTER THE 060935Z FLARE.
AT THE TIME OF THIS FORECAST CMA INCOMING DATA HAS NOT CONFIRMED
THE POSSIBILITY OF A PCA EVENT AS A RESULT OF THE 06/0935Z FLARE.
B. MAJOR FLARE ACTIVITY IS EXPECTED FROM THE NEW NORTHEAST REGION
/N12E30/ IN THE NEXT 24 HOURS.

FORECASTS FOR JULY 07-09

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 60/20/20
IMPORTANCE THREE OR GREATER 5/1/1
PROTON EVENTS 2/2/1

D. OTTAWA 10.7 CM FLUX TODAY IS 116. PREDICTED 116/120/120.

BT

NNNNUUUV

PP KGFF

DE BOU 062300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 949B ISSUED 2300Z JULY 6 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. RECENT OBSERVATIONS IN H-ALPHA INDICATE THAT THE COMPLEX REGION /N12E75/ PRODUCING TODAY'S MAJOR FLARE ACTIVITY DOES NOT POSE AN IMMEDIATE THREAT. A POSSIBLE MAGNETIC DELTA CONFIGURATION HAS BEEN INFERRED WITHIN THE FOLLOWING PORTION OF THE GROUP FROM THE WHITELIGHT STRUCTURE. POLAR CAP ABSORPTION HAS NOT OCCURRED IN CONJUNCTION WITH THE 06/0935Z FLARE. FOLLOWING A COMPLETE ANALYSIS OF EARTH-BASED AND SATELLITE PARTICLE SENSOR DATA CMMA IT MAY BE STATED AT THIS TIME THAT NO PROTON EVENT WILL TAKE PLACE. ANY MAGNETIC STORM OR VARIATION OCCURRING AFTER THE ABOVE FLARE IS EXPECTED TO BEGIN CLOSE TO THE UPPER LIMIT ON THE OFTEN QUOTED DELAY TIME OF FROM 24 TO 48 HOURS. AT MOST A DISTURBANCE OF THE ORDER OF A SUB P EQUAL TO 40 IS ANTICIPATED FOR THE PARTICULAR CASE AT HAND DUE TO THE SOLAR WIND GEOMETRY AND THE SIZES OF BOTH THE INITIATING FLARE AND PARENT REGION.

B. ADDITIONAL MAJOR FLARES FROM THE N12E75 GROUP CMMA IF AT ALL CMMA ARE EXPECTED SOMETIME DURING THE FIRST HALF OF THE NEXT GREENWICH DAY. ONLY SUBFLARE ACTIVITY IS ANTICIPATED FROM THE REGION NOW NEAR N13E52.

FORECASTS FOR JULY 7-9

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 40/20/20
IMPORTANCE THREE OR GREATER 2/1/1
PROTON EVENTS 2/1/1

SECTION D REMAINS UNCHANGED FROM SDF 949A.

E. MAGNETIC A-FREDERICKSBURG FOR JULY 5 WAS 09. FOR JULY 6 ABOUT 12.
PREDICTED AP 10-15/35-45/20-25.

BT