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HFUS BOU 162210

**BOULDER**

**FORECAST**

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168 ISSUED 2200Z 16 JUNE 1972

A. SOLAR ACTIVITY FOR THIS PERIOD CONTINUED AT A MODERATE LEVEL WITH REGION 245 (N09E56) PROVIDING THE MAJORITY OF THE ENERGETIC ACTIVITY.

A IN FLARE FROM THIS REGION, MAXIMUM AT 16/1651Z, WAS THE GREATEST OPTICAL ACTIVITY OBSERVED FROM THIS REGION. A SUBNORMAL FLARE AT 16/2010Z FROM REGION 248 (S09E64) DID GIVE A SMALL RADIO EVENT.

REGION 237 (S11W08) CONTINUES TO SHOW A DELTA CONFIGURATION, AND, ACCORDING TO MT WILSON DATA, A STRONG MAGNETIC GRADIENT. PROTON LEVELS FOR THE 5-21 MEV LEVEL GRADUALLY ROSE TO APPROXIMATELY 10 TIMES BACKGROUND AT 2000Z. THE MAGNETIC FIELD HAS BEEN MILDLY UNSETTLED.

B. SOLAR ACTIVITY CAN BE EXPECTED TO CONTINUE AT A MODERATE LEVEL WITH REGION 237 HOLDING THE HIGHEST PROMISE FOR ENERGETIC ACTIVITY. REGIONS 245 AND 248 MAY ALSO PROVIDE ADDITIONAL ACTIVITY, BUT NOT EXPECTED AT PARTICULARLY HIGH ENERGIES. THE PROTON LEVEL CAN BE EXPECTED TO DECREASE GRADUALLY, UNLESS ENHANCED BY FURTHER EVENTS. THE MAGNETIC FIELD SHOULD REMAIN UNSETTLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17/0000Z ENDING 19/2400Z

CLASS M OR GREATER 75/75/75

CLASS X 15/15/10

PROTON EVENTS 10/10/5

D. OTTAWA 10.7 CM FLUXES FOR 16/1400Z, 16/1700Z AND 16/2000Z WERE 138.9, 142.7 AND 138.1, RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 17-19 JUNE IS 140/138/136.

E. MAGNETIC A-FREDERICKSBURG FOR 15 JUNE WAS 11. FOR 16 JUNE ABOUT 09. PREDICTED AP FOR 17-19 JUNE IS 12/12/08.

SOLTERWARN

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