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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 021A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 JANUARY 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. NO FLARES HAVE BEEN OBSERVED. REGION 321 (S15W11) HAS SHOWN SMALL GROWTH. A TALL PROMINENCE ON THE WEST LIMB AT S18-30 HAS BEEN QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS.

II. THE GEOMAGNETIC FIELD IS STILL SLIGHTLY UNSETTLED BUT HAS NOT REACHED STORM LEVEL AT THIS TIME. THE FIELD WILL BE SLIGHTLY DISTURBED DURING THE NEXT SEVEN HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 211300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 021B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 21 JANUARY 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED. REGION 331 (N06W44) HAS STOPPED DEVELOPING AND APPEARS MUCH LESS IMPRESSIVE THAN IT DID AT 20/2200Z. REGION 321 (S15W21) HAS DECAYED, AND SPOTS ARE NO LONGER VISIBLE AT THAT SITE. OTHER REGIONS HAVE SHOWN LITTLE CHANGE. INTERESTING PROMINENCE ACTIVITY HAS BEEN OBSERVED IN THE PROMINENCE NEAR S25W90, BUT NO ASSOCIATED X-RAY OR RADIO BURSTS HAVE BEEN REPORTED.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN LOW TO VERY LOW DURING THE FORECAST PERIOD. ENERGETIC ACTIVITY IS UNLIKELY.

II. THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETTLED TO ACTIVE CONDITIONS SINCE ABOUT 21/0300Z. UNSETTLED CONDITIONS ARE LIKELY TO CONTINUE THROUGH THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 JAN - 23 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JAN 87

PREDICTED 21 JAN - 23 JAN 87/85/83

90-DAY MEAN 20 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 JAN 07

ESTIMATED AFR/AP 20 JAN 10/11

PREDICTED AFR/AP 21 JAN - 23 JAN 14/16 - 10/11 - 10/11

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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 021

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 21 JAN 1974

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW WITH ONLY THREE SUBFLARES REPORTED DURING THE LAST 24 HOURS. A SUBNORMAL FLARE OCCURRED 20/2304Z IN REGION 331 (N07W50). A LARGER SUBFLARE, TENTATIVELY CLASSIFIED BY VELA AS AN M1 X-RAY EVENT, OCCURRED AT 21/2045Z. SPOT DECAY HAS OCCURRED IN THIS REGION, BUT THE SACRAMENTO PEAK MAGNETOGRAF INDICATES AN ISOLATED POLE IN THE TRAILING PORTION OF THIS REGION WHERE H ALPHA INTENSITY FLUCTUATIONS HAVE BEEN OBSERVED. SPOTLESS REGION 332 (N14W29) PRODUCED A SUBFLARE AT 21/1843Z, BUT THIS REGION DOES NOT APPEAR CAPABLE OF PRODUCING ENERGETIC ACTIVITY. REGION 321 (S14W23) SHOWS CONTINUED DECAY. THE REST OF THE DISK APPEARS STABLE AND UNINTERESTING.

IB. SOLAR ACTIVITY SHOULD CONTINUE GENERALLY LOW, BUT REGION 331 MAY PRODUCE ANOTHER SMALL CLASS M EVENT DURING THE NEXT THREE DAYS.

II. THE GEOMAGNETIC FIELD CONTINUES GENERALLY UNSETTLED WITH ACTIVE CONDITIONS DURING LOCAL NIGHT HOURS. UNSETTLED CONDITIONS SHOULD CONTINUE THROUGH THE FORECAST PERIOD, APPROACHING ACTIVE CONDITIONS ON 24 JAN.

III. EVENT PROBABILITIES 22 JAN - 24 JAN

CLASS M 25/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JAN 82

PREDICTED 22 JAN - 24 JAN 81/80/79

90-DAY MEAN 21 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JAN 12

ESTIMATED AFR/AP 21 JAN 12/13

PREDICTED AFR/AP 22 JAN - 24 JAN 10/11 - 10/11 - 14/16

SOLTERWARN

SPAN

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