

NNNN

KBOU

HOUS 2 BOU 180200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
180200 JULY 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
17/1815. LOCATIONS VALID AT 18 JULY 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0168	S12W84	192	0020	B	06	02		BETA
0171	S06W02	110	0010	B	05	07		BETA
0172	S12W40	148	0010	B	04	06		BETA
0173	N17E52	056	0000	A	00	01		ALPHA

IA. NONE.

II. NONE.

III. NONE.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 180600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 199A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 18 JULY 1973
IA. SOLAR ACTIVITY REMAINS LOW, WITH ALL REGIONS STABLE OR GROWING SLOWLY. NEW REGION 174 AT N14W46 SHOULD BE NOTED.
IB. SOLAR ACTIVITY WILL REMAIN LOW, WITH ONLY C-CLASS SUBFLARES EXPECTED.
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND SHOULD REMAIN SO THROUGH JULY 20.
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
SOLTERWARN
SPAN
BT

HFUS 1 BOU 181300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 199B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 18 JULY 1973

IA. SOLAR ACTIVITY REMAINS LOW. ALL VISIBLE REGIONS ARE SMALL, BUT SEVERAL ARE EXPERIENCING GROWTH.

IB. ACTIVITY WILL REMAIN LOW, WITH OCCASSIONAL CLASS C SUBFLARES EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN QUIET TO MILDLY UNSETTLED.

III. EVENT PROBABILITIES 18 JUL - 20 JUL

CLASS M	05/05/05
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	17 JUL 76
PREDICTED	18 JUL - 20 JUL 79/80/80
90-DAY MEAN	17 JUL 95

V. GEOMAGNETIC A INDICES

OBSERVED	FREDERICKSBURG	16 JUL 13
ESTIMATED		17 JUL 05
PREDICTED		18 JUL - 20 JUL 09/07/10
SOLTERWARN		
SPAN		
BT		

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 199
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 JULY 1973.

IA. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL. REGION 168, NOW PASSING OVER THE WEST LIMB AT S12, PRODUCED SEVERAL NON-ENERGETIC SURGES. THE LARGEST OF THESE SURGES WAS VISIBLE FROM 1550Z TO 1700Z, EXTENDED OUT .06 SOLAR RADII, AND COVERED 6 DEGREES IN LATITUDE. NEW REGION 174 (N13W55) NOW CONTAINS AN ARCH FILAMENT SYSTEM, INDICATING THAT DEVELOPMENT IS STILL OCCURRING. SOME PENUMBRA IS VISIBLE ON THE TRAILING SPOT OF REGION 174. THIS REGION APPARENTLY IS INTERACTING WITH SOME OF THE MAGNETIC FIELDS REMAINING FROM OLD REGION 137. NEUTRAL LINE ANALYSIS AND DATA FROM THE KITT PEAK MAGNETOGRAPH REVEALS LEADING POLARITY FIELDS EAST OF THE TRAILING SPOT IN REGION 174. REGION 174 PRODUCED A ZERO-BRIGHT CLASS C FLARE AT 18/0235Z, AND SEVERAL OTHER NON-ENERGETIC SUBFLARES ALSO HAVE BEEN OBSERVED THERE. OTHER REGIONS HAVE NOT DEVELOPED SIGNIFICANTLY OR HAVE DECAYED.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN VERY LOW. REGION 174 MAY PRODUCE SEVERAL CLASS C SUBFLARES IF ITS DEVELOPMENT CONTINUES AT THE PRESENT RATE. NON-ENERGETIC SURGES ARE EXPECTED TO BE VISIBLE ABOVE DEPARTING REGION 168.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET. QUIET CONDITIONS PROBABLY WILL CONTINUE THROUGH 20 JULY, AFTER WHICH TIME UNSETLED CONDITIONS WILL BEGIN.

III. EVENT PROBABILITIES 19 JUL - 21 JUL.

CLASS M 08/08/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 18 JUL 81

PREDICTED 19 JUL - 21 JUL 80/80/78

90-DAY MEAN 18 JUL 94

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 17 JUL 05

ESTIMATED 18 JUL 06

PREDICTED 19 JUL - 21 JUL 07/08/12

SOLTERWARN

SPAN

BT