

TABLE 68

Central Radio Propagation Laboratory, National Bureau of Standards, Washington 25, D. C.

Form adopted June 1946

Es, Mc, Km, November, 1955
(Characteristic) (Unit) (Month)

IONOSPHERIC DATA

National Bureau of Standards

Observed at Washington, D. C.

Scaled by: J.J.S., J.W.P., E.J.W.

Lat. 38.7°N, Long. 77.1°W

75°W Mean Time

Calculated by: K.D.B., R.C.M., J.M.W.

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	<1.65 S	<1.65 S	<1.55 S	3.0 ^H ₁₂₀	3.7 ₁₀₀	3.1 ₁₀₀	<1.65 S	4.6 ^H ₁₀₀	7.0 ^H ₁₁₀	3.5 ₁₁₀	3.0 ₁₁₀	3.5 ₁₁₀	3.0 ₁₀₀	G	G	G	G	2.1 ^H ₁₀₀	1.7 ₁₀₀	<1.65 S	<1.65 S	2.2 ₁₁₀	<1.65 S	1.8 ₁₁₀	
2	2.2 ₁₀₀	2.1 ₁₂₀	3.0 ₁₀₀	<1.65 S	<1.35 S	<1.55 S	<1.55 S	3.7 ₁₀₀	2.4 ₁₂₀	G	3.1 ^F ₁₁₀	7.4 ₁₁₀	3.2 ₁₂₀	3.7 ₁₀₀	4.5 ₁₃₀	2.2 ₁₀₀	3.5 ₁₀₀	3.2 ₉₀	2.6 ₉₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	
3	3.7 ₁₀₀	<1.65 S	<1.65 S	<1.65 S	4.3 ₁₀₀	<1.65 S	<1.65 S	G	3.8 ₁₁₀	6.6 ₉₀	3.6 ₁₀₀	4.5 ₁₀₀	G	6.6 ₁₁₀	G	4.5 ₁₀₀	4.4 ₁₀₀	4.6 ₉₀	4.1 ₉₀	3.0 ₉₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	
4	<1.75 S	<1.65 S	<1.35 S	E	<1.65 S	<1.65 S	3.6 ₉₀	1.9 ₁₂₀	(3.4) ^S ₁₂₀	4.4 ₁₁₀	4.0 ₁₀₀	G	G	G	4.2 ₁₁₀	G	4.6 ₁₀₀	2.0 ₁₃₀	3.2 ₁₂₀	2.7 ₁₂₀	<1.55 S	<1.65 S	<1.65 S	<1.65 S	
5	<1.65 S	<1.65 S	<1.35 S	<1.35 S	<1.35 S	2.7 ₁₃₀	4.6 ₁₂₀	3.7 ₁₂₀	2.4 ₁₂₀	4.1 ₁₀₀	4.0 ₁₀₀	4.1 ₁₀₀	3.3 ₁₁₀	G	G	3.1 ₁₀₀	3.1 ₁₀₀	2.2 ₁₀₀	3.0 ₁₀₀	<1.65 S	2.9 ₁₀₀	<1.65 S	4.3 ₁₀₀	<1.55 S	
6	3.6 ₁₀₀	4.8 ₁₀₀	4.2 ₁₀₀	2.9 ₁₀₀	2.7 ₁₀₀	3.1 ₁₀₀	<1.65 S	<1.75 S	(2.3) ^S ₁₁₀	3.1 ^H ₁₀₀	3.2 ₁₀₀	3.3 ₁₀₀	(4.1) ^S ₁₀₀	3.6 ₁₀₀	4.3 ^H ₁₀₀	1.8 ₁₀₀	3.0 ₉₀	3.0 ₉₀	<1.75 S	2.1 ₁₁₀	1.8 ₁₁₀	5.6 ₁₀₀	4.6 ₁₀₀	5.2 ₁₀₀	
7	4.9 ₁₀₀	3.6 ₁₀₀	4.3 ₁₀₀	3.7 ₁₀₀	2.7 ₁₀₀	7.2 ^H ₁₀₀	(2.1) ^S ₁₀₀	2.0 ₁₀₀	3.0 ₁₁₀	9.2 ^H ₁₀₀	(2.3) ^S ₁₀₀	2.0 ₁₀₀	2.1 ₁₀₀	G	G	G	G	<1.65 S	<1.65 S	2.0 ₁₀₀	2.0 ₁₀₀	2.1 ₁₀₀	<1.65 S	<1.65 S	
8	<1.65 S	<1.65 S	<1.65 S	<1.65 S	2.1 ₉₀	2.1 ₉₀	<1.65 S	G	G	2.8 ₁₁₀	3.2 ^H ₁₀₀	G	G	3.8 ₁₀₀	3.0 ₁₀₀	3.1 ₁₀₀	2.8 ₁₀₀	<1.65 S	<1.75 S	<1.85 S	<1.65 S	<1.75 S	2.0 ₁₁₀	2.1 ₁₀₀	
9	3.2 ₁₀₀	4.6 ^H ₁₀₀	3.4 ₁₁₀	<1.65 S	<1.65 S	C	3.6 ₁₀₀	2.8 ₁₁₀	G	2.3 ₁₀₀	2.7 ₁₀₀	3.2 ₁₂₀	3.2 ₁₂₀	3.5 ₁₁₀	3.3 ₁₁₀	6.8 ₁₀₀	3.5 ₁₀₀	4.6 ₁₀₀	3.1 ₁₀₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	
10	4.5 ₁₀₀	3.7 ₁₀₀	2.9 ₁₀₀	<1.35 S	<1.65 S	<1.65 S	<1.65 S	G	2.1 ₁₁₀	G	G	3.0 ₁₀₀	G	4.8 ₁₀₀	4.0 ₁₀₀	4.6 ₁₀₀	3.5 ₁₀₀	3.5 ₁₀₀	3.6 ₁₀₀	3.0 ₁₀₀	3.0 ₁₀₀	<1.65 S	<1.65 S	<1.65 S	
11	<1.65 S	2.8 ₁₀₀	2.3 ₁₁₀	<1.65 S	4.0 ₁₂₀	<1.65 S	2.3 ₁₀₀	5.8 ₉₀	3.0 ₁₁₀	4.3 ^H ₁₀₀	3.2 ₁₁₀	G	G	G	G	2.8 ₁₀₀	G	2.8 ₁₁₀	<1.75 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	4.0 ₁₀₀	
12	2.8 ₁₀₀	<1.65 S	<1.65 S	<1.45 S	C	<1.65 S	<1.65 S	1.8 ₁₁₀	2.4 ₁₁₀	2.6 ₁₁₀	(2.6) ^C ₁₁₀	G	G	G	G	G	G	1.8 ₁₁₀	1.7 ₁₂₀	3.1 ₁₁₀	4.6 ₁₁₀	4.6 ₁₁₀	4.8 ₁₀₀	3.7 ₁₀₀	
13	3.4 ₁₀₀	3.8 ₁₀₀	2.5 ₁₀₀	<1.65 S	<1.65 S	<1.35 S	<1.65 S	2.9 ^F ₁₁₀	2.9 ₁₁₀	2.3 ₁₀₀	3.6 ₁₀₀	3.2 ₁₁₀	G	G	1.8 ₁₀₀	2.2 ₁₀₀	1.7 ₁₀₀	2.7 ₁₀₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	
14	<1.65 S	<1.25 S	<1.65 S	<1.15 S	4.3 ₁₁₀	<1.25 S	(2.1) ^S ₁₃₀	G	G	G	G	G	G	G	G	G	G	2.7 ₁₂₀	G	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S
15	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	2.2 ₁₀₀	G	G	G	C	G	G	G	G	G	1.7 ₁₀₀	<1.65 S	<1.65 S	<1.65 S	5.0 ₁₁₀	<1.65 S	<1.65 S	<2.55 S	
16	<1.65 S	<1.65 S	<1.65 S	<1.35 S	<1.55 S	(2.9) ^S ₁₁₀	4.2 ₁₁₀	3.8 ₁₁₀	G	4.6 ₁₁₀	3.1 ₁₁₀	G	G	G	G	G	8.4 ₁₀₀	2.9 ₁₀₀	2.3 ₁₀₀	<1.65 S	2.2 ₉₀	<1.65 S	2.7 ₁₀₀	<1.65 S	
17	<1.65 S	<1.65 S	<1.65 S	<1.65 S	2.9 ₁₂₀	<1.65 S	(2.6) ^S ₁₀₀	4.2 ^H ₁₀₀	2.9 ₁₁₀	3.7 ₁₀₀	3.1 ₁₀₀	3.0 ₁₀₀	4.4 ₁₀₀	G	3.2 ₁₃₀	4.1 ^H ₁₀₀	6.6 ^H ₁₀₀	4.6 ^H ₁₀₀	2.9 ₁₀₀	2.9 ₁₀₀	2.2 ₁₀₀	<1.65 S	3.6 ₁₀₀	3.5 ₁₀₀	
18	3.4 ₁₀₀	4.0 ₁₀₀	<1.35 S	<1.35 S	<1.35 S	<1.65 S	2.3 ₁₀₀	2.8 ₁₁₀	6.2 ₁₀₀	2.4 ₁₁₀	3.0 ₁₀₀	4.1 ₁₀₀	4.1 ₁₀₀	4.4 ₁₀₀	4.1 ₁₀₀	G	G	<1.65 S	<1.65 S	<1.65 S	9.0 ₁₀₀	3.4 ₁₁₀	3.3 ₁₁₀	3.0 ₁₀₀	
19	<1.55 S	<1.45 S	<1.15 S	<1.25 S	<1.45 S	4.7 ₁₂₀	<1.65 S	1.8 ₁₁₀	G	G	G	G	G	G	G	G	2.6 ₁₂₀	2.1 ₁₂₀	<1.65 S	<1.65 S	2.2 ₁₃₀	<1.65 S	<1.35 S	<1.65 S	<1.65 S
20	<1.65 S	<1.45 S	<1.65 S	<1.65 S	<1.35 S	<1.75 S	E	G	G	<2.8 ^B _B	G	G	3.1 ₁₂₀	G	<4.1 ^B _B	<3.3 ^B _B	<2.7 ^B _B	<2.5 ^B _B	<1.65 S	<2.5 ^B _B	<1.65 S	<1.55 S	<1.65 S	<1.65 S	
21	<1.65 S	E	E	<1.25 S	<1.35 S	<1.65 S	3.1 ₁₁₀	1.7 ₁₁₀	2.1 ₁₁₀	G	2.6 ₁₀₀	G	G	G	G	G	<2.6 ^B _B	<1.65 S	<1.45 S	2.9 ₁₀₀	5.0 ₁₀₀	4.8 ₁₀₀	<1.65 S	<1.65 S	
22	<1.65 S	<1.45 S	<1.15 S	E	<1.15 S	<1.65 S	3.6 ₁₄₀	G	<2.4 ^B _B	2.7 ₁₅₀	G	<3.2 ^B _B	G	G	2.5 ₁₀₀	<2.6 ^B _B	2.7 ₉₀	3.7 ₁₀₀	1.9 ₁₀₀	<1.95 S	<1.65 S	<1.65 S	<1.75 S	<1.65 S	
23	<1.65 S	<1.65 S	<1.65 S	<1.35 S	<1.35 S	<1.65 S	<1.65 S	G	2.0 ₁₁₀	<2.8 ^B _B	G	G	G	G	3.0 ₁₄₀	G	2.0 ₁₄₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.55 S	<1.65 S	<1.65 S	
24	<1.75 S	<1.65 S	<1.55 S	<1.25 S	<1.65 S	<1.65 S	<1.65 S	G	<2.5 ^B _B	G	G	3.2 ₁₃₀	G	G	G	G	G	<1.65 S	<1.65 S	2.3 ₁₁₀	2.4 ₁₁₀	2.8 ₁₄₀	<1.65 S	<1.65 S	
25	<1.65 S	<1.65 S	<1.55 S	<1.65 S	<1.65 S	<1.35 S	<1.65 S	G	2.1 ₁₂₀	2.8 ₁₃₀	3.8 ^H ₁₂₀	3.4 ^H ₁₀₀	5.0 ₁₀₀	4.3 ₁₀₀	2.0 ₁₀₀	2.5 ₁₂₀	1.8 ₁₂₀	<1.65 S	<1.65 S	2.0 ₁₁₀	2.9 ₁₁₀	<1.75 S	<1.95 S	<1.65 S	
26	2.9 ₁₁₀	1.7 ₁₂₀	<1.65 S	<1.65 S	<1.35 S	<1.75 S	3.8 ₁₁₀	1.7 ₁₁₀	2.4 ^H ₁₂₀	3.8 ₁₁₀	4.1 ₁₁₀	G	G	G	G	2.6 ₁₂₀	<2.5 ^B _B	2.6 ₁₀₀	2.3 ₁₀₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	<1.65 S	
27	<1.85 S	8.0 ₁₁₀	<1.65 S	<2.35 S	2.8 ₁₀₀	1.4 ₁₀₀	4.8 ₁₀₀	G	G	2.4 ₁₁₀	3.0 ₁₁₀	G	G	G	G	<2.6 ^B _B	<2.5 ^B _B	<1.75 S	<1.65 S	2.7 ₁₁₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	
28	<1.3 S	<1.65 S	3.7 ₁₀₀	<1.65 S	<1.35 S	<1.65 S	<1.65 S	<2.4 ^B _B	<2.4 ^B _B	3.0 ₁₅₀	2.8 ₁₁₀	3.1 ₁₁₀	2.8 ₁₁₀	G	G	G	1.8 ₁₀₀	3.6 ₁₀₀	2.4 ₁₀₀	<1.65 S	<1.65 S	<1.65 S	2.2 ₁₁₀	<1.65 S	
29	<1.65 S	<1.65 S	<1.65 S	<1.35 S	<1.35 S	<1.65 S	<1.65 S	G	2.2 ₁₄₀	3.0 ^H ₁₂₀	3.6 ₁₃₀	3.3 ₁₂₀	3.4 ₁₂₀	4.2 ₁₀₀	3.2 ₁₂₀	3.0 ₁₂₀	2.3 ₁₂₀	3.0 ₁₁₀	2.0 ₁₂₀	<1.65 S	<1.65 S	<1.65 S	<1.65 S	5.0 ₁₂₀	
30	4.1 ₁₁₀	4.8 ₁₁₀	7.8 ₁₁₀	<1.65 S	<1.75 S	<1.65 S	6.0 ₁₁₀	G	G	G	3.0 ₁₄₀	G	3.2 ₁₄₀	6.8 ₁₁₀	3.0 ₁₃₀	2.6 ₁₂₀	2.0 ₁₅₀	<1.65 S	<1.65 S	<1.85 S	<1.65 S	<1.65 S	2.7 ₁₂₀	2.2 ₁₂₀	
31																									
Median	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.8	1.7	2.2	<2.8	3.0	**	**	**	**	**	**	2.1	<1.7	<1.6	<1.6	<1.6	<1.6	<1.6	
Count	30	30	30	30	29	29	30	29	27	30	29	29	30	30	29	27	26	29	30	26	30	30	30	30	

** MEDIAN fEs LESS THAN MEDIAN foE, OR LESS THAN LOWER FREQUENCY LIMIT OF RECORDER

Sweep 1.0 Mc to 25.0 Mc in 13.5 sec.

Manual Automatic

TABLE 71

Central Radio Propagation Laboratory, National Bureau of Standards, Washington 25, D.C.

Form adopted June 1946

(M 3000) F1, November, 1955
 (Characteristic) (Unit) (Month)

IONOSPHERIC DATA

National Bureau of Standards
 (Institution)

Observed at Washington, D.C.
 Lat. 38.7°N, Long. 77.1°W

Scaled by: J.J.S., J.W.P., E.J.W.

Calculated by: K.D.B., R.C.M., J.M.W.

75°W Mean Time

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1								Q	L	L	L	L	L	L	L	L	Q							
2								Q	Q	L	L	L	L	L	L	L	Q							
3								Q	Q	L	L	L	L	(3.8) ^L	L	L	Q							
4								Q	Q	L	L	L ^H	L ^H	L	L	L	Q							
5								Q	L	L	L	L	L	L	L	L	Q							
6								Q	L	L	L	L	L	L	L	L	Q							
7								Q	Q	L	L	L	L	L	L	L	Q							
8								Q	L	L	L	L	L	L	L	L	Q							
9								Q	Q	Q	L	L ^H	L	(3.8) ^L	L	L	Q							
10								Q	Q	L	L ^H	L	L	L ^H	L	L	Q							
11								Q	Q	L	L	L	L	L	L	L	Q							
12								Q	Q	L	L ^H	L	L	L	L	L	Q							
13								Q	L	L	L ^H	L ^H	L	L	L	L	Q							
14								Q	Q	L	L	L	L	L	L	L	Q							
15								Q	Q	L	L	L	L	L	L	L	Q							
16								Q	Q	L	L	L	L	L	L	L	Q							
17								Q	L	L	L	L	L	L	L	Q	Q							
18								Q	Q	Q	L	L	L	L	L	L	Q							
19								Q	L	(3.5) ^L	3.4	3.6	3.4	(3.4) ^L	(3.5) ^{L^H}	L	Q							
20								B	L	L	L	L	L	L	B	L	Q							
21								Q	Q	L	L	L	L	L	L	L ^H	Q							
22								Q	Q	L ^H	L	L	L ^H	L	L	L	Q							
23								Q	Q	L	L	L	L	L	L	L	Q							
24								Q	Q	L	L	L	L	L	L	L	Q							
25								Q	Q	Q	L	L	L	L ^H	L	L	L							
26								Q	Q	L	L	L	L	L	L	L	Q							
27								Q	Q	L ^H	L	L	L	L	L	L	Q							
28								Q	L	L	L	L	L	L ^H	L	L	Q							
29								Q	Q	L	L	L ^H	L	L	L	L	Q							
30								Q	Q	L	L	L	L	L	L	L	Q							
31																								
Median									-	-	-	-	-	-	-	-								
Count									0	1	1	1	1	3	1	0	0							

Sweep 1.0 Mc to 25.0 Mc in 13.5 sec.

Manual Automatic

TABLE 69

Central Radio Propagation Laboratory, National Bureau of Standards, Washington 25, D. C.

Form adopted June 1946

(M1500) F2, November, 1955
 (Characteristic) (Unit) (Month)

IONOSPHERIC DATA

National Bureau of Standards

Observed at Washington, D. C.
 Lat. 38.7°N, Long. 77.1°W

Scaled by: J.J.S., J.W.P., E.J.W.
 (Institution)

75°W Mean Time

Calculated by: K.D.B., R.C.M., J.M.W.

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	2.0	F ^S	(1.9) ^S	(2.2) ^S	(2.2) ^S	2.1	2.0	2.2	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	(2.3) ^S	2.3	2.2	2.1	(2.2) ^S	2.1	2.1	2.1
2	2.2	2.0	2.0	2.1	2.2	2.1	2.1	2.4	2.3	2.4	2.3	2.2	2.2	2.2	2.3	(2.3) ^S	2.3	2.2	2.0	2.1	2.2	2.1	2.0	2.1
3	2.2	2.1	2.0	2.0	2.2	2.1	2.2	2.3	2.4	2.3	2.1	2.4	2.2	2.3	2.4	2.2	2.3	2.4	2.2	2.1	2.1	2.0	1.9	1.9
4	1.9	1.8	1.8	2.0	2.2	2.2	1.8 ^H	(2.3) ^S	2.3	2.3	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.3	(2.4) ^S	2.1	2.2 ^S	2.1	2.1	2.1
5	(2.1) ^S	(2.0) ^S	J ^F	(2.2) ^F	(2.3) ^S	(2.2) ^F	(2.1) ^F	2.3	2.4	(2.5) ^S	2.3	2.3	2.1	2.3	2.2	2.3	2.4	2.4	2.3	2.2	2.1	2.0	2.1 ^F	2.0
6	(2.1) ^A	(2.0) ^S	2.0	2.1	(2.2) ^S	(2.1) ^F	(2.2) ^F	2.3 ^F	2.4 ^F	2.4	(2.5) ^S	2.4	2.4	2.3	2.3	2.3	2.4	(2.3) ^F	(2.2) ^F	(2.3) ^F	2.3	(2.2) ^A	(2.0) ^F	(1.9) ^A
7	(2.0) ^S	1.9 ^F	(2.0) ^A	(2.2) ^F	(2.1) ^F	(2.1) ^F	2.2 ^F	(2.5) ^F	2.4	2.4	2.4	2.3	2.3	2.2	2.3	2.2	2.4	2.4	(2.3) ^S	(2.3) ^S	2.1	2.1	2.1	2.1
8	2.0 ^S	2.0	2.1	2.1	2.0	2.1	2.1	(2.4) ^S	2.5	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.3	1.9	2.1	(2.0) ^S	(2.0) ^S	(2.1) ^S	2.2
9	2.2 ^F	2.1 ^F	1.8 ^F	2.0 ^F	2.1 ^F	0	(2.1) ^S	2.4	2.4	2.4	2.4	2.2	2.1	2.2	2.3	2.3	2.3	2.4	2.1	2.2	2.3	2.2	2.1	(2.1) ^S
10	2.1 ^S	2.0 ^F	2.0	2.0	2.0 ^F	2.2 ^F	2.4	2.4	2.4	2.4 ^S	2.2	2.3	2.3	2.3	2.2	2.2	2.4	2.5	2.2	2.3	2.2	2.2	2.1	2.0
11	2.1	1.9	2.0	2.1	2.1	2.2	2.0 ^F	2.3	2.5	2.3	2.2	2.3	2.0	2.2	2.2	(2.3) ^P	0	(2.2) ^S	2.2	2.1	2.2	2.1	2.1	2.0
12	2.0	1.9	(2.0) ^P	(2.1) ^S	J ^F	(2.0) ^S	(2.0) ^F	(2.1) ^S	(2.3) ^S	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.3	2.2	2.2	2.1	2.0	1.9	1.9
13	2.0	J ^S	J ^S	J ^S	2.4	2.2 ^F	1.9 ^F	2.3	2.4	2.2	2.3	2.3	2.1	2.2	2.2	2.2	2.4	2.3	2.2	2.3	2.1	2.1	2.2	2.2
14	2.1	2.1	2.2	2.1 ^F	2.1 ^F	(2.1) ^S	2.1 ^F	2.3	2.4	2.3	2.4	2.3	2.3	2.3	2.2	2.3	2.2	2.3	2.2	2.1	2.2	2.2	2.0	2.0
15	2.0	2.0	1.9	1.9	2.1	2.1	1.9	2.1	2.3	2.1	0	2.2	2.2	2.1	2.2	2.1	2.2	2.2	2.1	2.2	2.2	1.9 ^F	1.9	1.9
16	1.8	(2.0) ^F	(2.1) ^S	(2.0) ^S	2.1	2.2	2.1	2.2	2.3	2.3	2.2	2.1	2.2	2.2	2.2	2.2	2.3 ^S	2.2	2.1	2.3	2.3	2.1 ^F	2.0 ^F	2.0 ^F
17	(1.9) ^F	(2.0) ^S	2.1 ^F	2.3 ^F	2.1 ^F	(1.9) ^F	2.0	2.1	2.3	(2.4) ^F	2.4	2.4	(2.4) ^S	2.3	2.3	2.4	2.4	(2.2) ^S	(2.3) ^S	(2.2) ^S	2.2	(2.2) ^S	2.3 ^F	2.0 ^F
18	2.2 ^F	(2.1) ^F	(2.0) ^F	(2.0) ^S	(2.0) ^F	(2.2) ^S	(2.1) ^S	2.2	2.3	2.5	2.3	2.2	2.2	2.0	2.0	2.1	2.2	2.3	2.0	2.1	J ^A	2.0 ^F	1.9 ^F	(2.1) ^F
19	2.1 ^S	F ^S	2.2 ^F	(2.1) ^S	2.0 ^F	A	P ^F	2.1 ^F	2.0 ^F	(1.9) ^S	F ^H	(1.5) ^S	1.7	1.6 ^F	2.1	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.1	2.0 ^F
20	1.9 ^F	2.0 ^F	(2.1) ^F	(2.1) ^F	F	F	E	2.3	2.4	2.4	2.2	2.2	2.2	2.0	2.1	2.2	2.2	2.2	2.2	2.0	(2.0) ^S	1.9 ^F	(1.8) ^S	(2.0) ^S
21	2.0 ^F	(2.0) ^S	(2.0) ^F	2.0 ^S	2.1 ^F	2.0	2.0	2.3	2.5 ^F	2.3	2.2	2.4	2.4 ^H	2.2	2.2	2.3	2.4	2.3	2.4	2.3 ^F	2.3 ^F	2.2 ^F	2.2 ^F	2.0 ^F
22	2.0 ^F	2.0 ^F	2.0 ^F	2.0 ^F	(2.1) ^S	2.2	2.2 ^F	2.3 ^F	2.3	2.4	2.5	2.4	2.3	2.3	2.4	2.4	2.3	2.3 ^F	2.4	2.2	2.2	2.4	J ^S	J ^S
23	1.9 ^F	(2.0) ^S	(2.3) ^S	(2.4) ^S	(1.8) ^S	2.6 ^F	(2.2) ^S	(2.5) ^S	2.5 ^F	2.6	2.4	2.4	(2.2) ^H	2.2	2.3	2.3	(2.3) ^S	2.3 ^F	(2.1) ^S	(2.2) ^S	2.1 ^F	2.1	2.2 ^F	2.1 ^F
24	2.0 ^F	2.0 ^F	1.9	1.9	2.1	2.0	2.0 ^F	2.3 ^F	2.5	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.1	2.2	2.2	2.1	2.1	1.9
25	1.9 ^F	2.0 ^F	(1.9) ^F	2.2 ^F	(2.3) ^F	2.0 ^F	1.9 ^F	2.2 ^F	2.5	2.4	2.3	2.3	2.3	2.2	2.2	2.4	2.3	2.3	2.1 ^F	2.2 ^F	(2.3) ^S	2.2 ^F	2.2 ^F	2.1 ^F
26	2.0 ^F	2.0	2.1 ^F	2.1 ^F	2.1	2.0	2.0	2.2	2.4	2.4	2.3	2.4	2.4	2.2 ^H	2.2	2.3	2.3	2.3	2.2	2.2	2.1	2.2 ^F	2.2	2.1
27	1.9 ^F	1.9	1.9	1.9	1.9	2.0	2.0	2.2	2.4	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2	2.2 ^F	2.3 ^S	2.1	2.3	2.3 ^F	2.2
28	2.0	1.9	1.9	2.0	2.0	2.2	2.1	2.2	2.4	2.4	2.3	2.3	2.3	2.2	2.2	(2.3) ^P	2.3	2.2	2.0	2.2	2.1	1.9	2.0	2.0
29	2.0	1.9	1.9	2.0	2.1	2.2	2.0	2.1	2.4	2.5	2.2	2.1	2.3	2.2	2.2	2.2	2.2	(2.2) ^S	2.2	2.3	2.1	1.9	2.0	2.0 ^F
30	1.9	2.0 ^F	1.9 ^F	2.0	2.1	2.0	2.0	2.2	2.4	2.3	2.3	2.3	2.0 ^H	2.2	2.3	2.3	2.2	2.2	2.2	2.0	2.1	2.1	2.1	2.0
31																								
Median	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.3	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
Count	30	27	28	29	28	27	28	30	30	30	28	30	30	30	30	30	29	30	30	30	29	30	29	29

Sweep 1.0 Mc to 25.0 Mc in 13.5 sec.

Manual Automatic

(M1500)E , November, 1955
(Characteristic) (Unit) (Month)

IONOSPHERIC DATA

National Bureau of Standards
(Institution)

Observed at Washington, D.C.

Scaled by: J.J.S., J.W.P., E.J.W.

Lat. 38.7°N, Long. 77.1°W

75°W Mean Time

Calculated by: K.D.B., R.C.M., J.M.W.

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1								A	(4.3) ^S	A	A	A	(4.3) ^A	(4.2) ^S	4.2	4.2	(4.2) ^S							
2								S	A	4.3 ^H	A	4.3	(4.3) ^A	4.4	4.3	(4.4) ^P	(4.3) ^S							
3								S	A	A	A	A	4.2 ^H	4.2	4.2	4.2	A							
4								A	(4.2) ^S	A	A	4.2	4.3	4.4	A	4.4	(4.1) ^S							
5								A	A	A	A	A	4.3 ^H	4.2 ^H	4.4 ^H	4.4	A							
6								S	A	A	4.2	4.1	A	4.4	(4.4) ^A	4.4	A							
7								A	A	(4.3) ^H	4.2 ^H	4.2	4.2	4.2	4.2	4.4	(4.4) ^S							
8								S	(4.2) ^S	(4.3) ^A	(4.3) ^A	4.2 ^H	4.3 ^H	(4.3) ^A	4.4	(4.3) ^A	A							
9								A	(4.3) ^S	4.3	4.4	A	A	A	A	A	A							
10								S	4.4	(4.4) ^P	4.5	4.1	4.1	4.4	4.4	A	4.4							
11								S	A	A	A	(4.4) ^P	4.4	(4.5) ^P	4.4	(4.3) ^P	4.2							
12								S	(4.3) ^A	4.2 ^H	(4.2) ^P	4.3	4.3	4.3	4.4	4.3	(4.3) ^P							
13								A	4.4 ^H	4.4 ^H	4.3	4.3	4.4	4.3	4.3	4.3	4.4							
14								S	4.3	(4.2) ^S	(4.3) ^H	4.3	(4.3) ^H	4.3	4.3	A	R							
15								S	(4.3) ^S	(4.3) ^P	C	4.4	4.3	4.3	4.4	4.4	4.2 ^H							
16								S	4.3 ^H	4.3	A	4.4 ^H	4.4	4.3	4.4	4.4	4.3							
17								S	A	A	(4.3) ^A	4.3	4.3	4.4	4.3	4.4	A							
18								S	A	A	4.2	A	A	A	(4.2) ^A	4.2 ^H	4.4 ^H							
19								S	R	(4.3) ^F	(4.3) ^H	4.2	4.3	4.2	4.4	A	A							
20								B	B	B	4.2	4.4 ^H	(4.3) ^A	(4.4) ^P	B	B	B							
21								S	A	4.3	4.3	4.4	4.3	4.5	4.4	(4.4) ^B	B							
22								S	B	B	4.0	B	4.2	4.2	(4.1) ^B	B	A							
23								S	S	B	4.3	(4.3) ^P	4.3	4.4	(4.4) ^P	4.4	4.4							
24								S	B	4.2 ^H	4.0	4.1	4.3	4.3	4.3	4.4	4.2 ^H							
25								S	A	4.4	A	(4.4) ^A	A	4.4	(4.4) ^P	R ^H	A							
26								S	A	A	A	4.4 ^H	4.3	4.4	4.3 ^H	4.4	B							
27								S	R	4.3 ^H	4.1 ^H	4.3	4.4	4.3	4.2	B	B							
28								B	B	B	A	A	(4.3) ^H	4.4	4.2	4.2	A							
29								S	4.3	4.2 ^H	4.4	4.4 ^H	4.4	4.4 ^H	(4.4) ^B	(4.4) ^A	A							
30								S	4.0 ^H	4.3	4.1 ^H	4.4	4.4	4.2 ^H	(4.2) ^H	A	4.2 ^H							
31																								
Median								—	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	—						
Count								0	12	17	19	23	26	28	27	21	14	0						

Sweep 1.0 Mc to 25.0 Mc in 13.5 sec.

Manual Automatic