

DATE	GMT OF FIRST MOTION					TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
							NS	EW	Z	NS	EW	Z				
20 JAN	70	08	33	57.6		I	N	*	U	*	*	*				
20 JAN	70	17	45	56.0		I	N	E	U	*	*	*				
21 JAN	70	17	59	21.2		I	N	E	U	*	*	*				
22 JAN	70	04	06	25.0		E	*	*	*	*	*	*				
27 JAN	70	09	36	26.0		I	S	E	U	*	*	*				
04 FEB	70	05	15	09.0		I	N	E	D	*	E	D				
05 FEB	70	12	58	50.0		E	*	*	*	*	*	*				
05 FEB	70	22	24	58.0		E	*	*	*	*	*	*				
06 FEB	70	00	23	06.0		I	*	*	D	*	*	*				
13 FEB	70	16	01	54.0		I	N	W	D	N	W	D				
13 FEB	70	17	35	47.5		I	N	*	U	*	*	*				
14 FEB	70	11	26	17.0		I	N	*	U	*	*	*				
24 FEB	70	08	13	47.0		E	*	*	*	*	*	*				
27 FEB	70	07	18	47.0		I	S	*	D	*	*	*				
27 FEB	70	11	07	06.0		I	N	E	D	*	E	D				
28 FEB	70	11	02	38.4		I	N	E	U	*	*	D				
4 MAR	70	03	49	17.0		E	*	*	*	*	*	*				
09 MAR	70	16	19			E	-	-	-	*	*	*				
10 MAR	70	05	11	00.4		I	*	*	U	S	E	U				
11 MAR	70	22	47	24.0		I	N	W	D	*	*	D				
14 MAR	70	07	40	01.0		E	*	*	*	*	*	*				
15 MAR	70	13				I	*	*	*	*	*	*				
17 MAR	70	22	08	34.0		I	N	E	U	*	*	*				
18 MAR	70	23	24	08.1		I	N	*	U	*	*	*				
19 MAR	70	23	44	35.4		I	*	E	D	*	*	*				
20 MAR	70	11	26	39.8		I	*	*	D	*	*	*				
24 MAR	70	10	55	09.1		I	N	W	D	*	*	D				
25 MAR	70	22	11	32.9		I	-	-	D	*	*	*				
26 MAR	70	16	51	08.6		I	N	W	D	*	*	*				
26 MAR	70	19	06	11.4		I	S	E	U	*	E	U				
28 MAR	70	18	45	05.8		I	-	-	U	*	*	*				
28 MAR	70	18	56	09.9		I	-	-	D	*	*	*				
29 MAR	70	21	14	13.7		I	-	W	D	N	E	D				
30 MAR	70	17	05	44.4		I	*	*	D	*	*	*				
7 APR	70	05	52	58.4		I	*	*	D	*	*	*				
8 APR	70	15	01	57.3		I	N	E	D	*	*	D				
11 APR	70	04	13	50.0		E	*	*	*	*	*	*				
12 APR	70	04	18	37.6		E	*	*	U	*	*	*				
16 APR	70	05	41	23.3		I	N	W	D	*	*	*				
18 APR	70	09	59	15.7		I	-	E	D	*	*	*				
19 APR	70	01	23	50.8		I	-	*	D	*	*	*				
20 APR	70	10	57	32.5		I	-	E	U	*	*	*				
20 APR	70	22	02	39.2		I	-	W	U	*	*	*				
22 APR	70	22	54	52.5		I	S	W	U	-	-	-				
26 APR	70	14	46	34.0		I	S	E	U	*	*	*				
27 APR	70	19	48	05.6		I	S	*	U	-	-	-				
27 APR	70	22	07	56.8		I	N	E	U	-	-	-				
29 APR	70	11	28	34.4		I	*	W	U	N	W	U				
29 APR	70	14	07	19.5		I	*	*	D	N	E	U				
30 APR	70	08	39	01.0		E	-	*	*	N	E	U				

DATE	GMT OF FIRST MOTION					TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
	NS	EW	Z	NS	EW		Z	NS	EW	Z	NS	EW	Z			
14 MAY 70	09	32	48.0	I	-	W	U	*	*	*						
14 MAY 70	18	24	49.3	I	-	E	U	*	*	*						
15 MAY 70	21	15	53.2	I	*	W	D	*	*	*						
15 MAY 70	21	56	38.9	I	*	W	D	*	*	*						
16 MAY 70	21	42	20.7	E	S	W	D	-	-	-						
19 MAY 70	10	29	18.2	I	N	W	D	*	*	*						
19 MAY 70	18	39	47.8	I	S	W	D	-	-	-						
19 MAY 70	20	03	36.0	I	S	*	D	-	-	-						
21 MAY 70	15	56	21.2	I	S	W	D	*	*	*						
21 MAY 70	21	01	32.0	I	N	E	D	-	-	-						
27 MAY 70	12	18	25.1	I	*	-	D	S	W	D						
27 MAY 70	18	00	05.8	E	S	-	U	-	-	-						
31 MAY 70	20	32	17.1	I	-	-	D	S	W	D						
31 MAY 70	21	57	01.4	I	-	-	U	*	*	*						
01 JUN 70	01	45	00.0	I	-	-	D	*	*	*						
01 JUN 70	02	54	45.8	I	-	-	D	*	*	*						
01 JUN 70	04	53	42.4	I	-	-	U	-	-	-						
01 JUN 70	17	51	10.7	I	-	-	D	*	*	*						
01 JUN 70	20	32	32.9	I	-	-	D	*	*	*						
02 JUN 70	01	46	14.6	I	-	-	U	*	*	*						
02 JUN 70	03	08	00.0	I	-	-	D	*	*	*						
04 JUN 70	04	18	19.0	I	-	*	U	*	*	U						
05 JUN 70	05	06	27.5	I	*	*	D	S	*	U						
09 JUN 70	20	25	12.1	I	S	W	U	-	-	-						
10 JUN 70	16	30	17.9	I	*	*	U	*	*	*						
11 JUN 70	06	13	28.0	I	S	W	D	S	*	D						
11 JUN 70	17	06	18.5	I	*	-	D	N	E	D						
12 JUN 70	05	03	15	E	*	-	D	*	*	*						
14 JUN 70	00	13	20.9	I	S	-	U	*	*	*						
15 JUN 70	11	28	15	E	*	-	U	*	*	U						
16 JUN 70	05	17	31.9	I	N	W	U	*	W	U						
17 JUN 70	04	53	55.8	I	N	W	U	N	W	U						
19 JUN 70	11	06	39.4	I	S	E	-	S	E	D						
19 JUN 70	14	32	32.8	I	S	E	D	*	W	-						
21 JUN 70	16	31	21.8	I	N	W	D	-	-	-						
22 JUN 70	14	48	35.1	I	S	*	U	*	*	*						
24 JUN 70	07	37	42	E	*	*	U	*	*	*						
24 JUN 70	13	16	21	I	*	E	*	S	E	U						
25 JUN 70	05	32	44.1	I	S	*	U	*	*	*						
25 JUN 70	16	10	17.3	I	N	E	D	-	-	-						
28 JUN 70	01	49	38.1	I	*	*	D	S	*	-						
02 JUL 70	00	53	57.1	I	*	*	D	S	*	D						
08 JUL 70	04	54	29.8	I	S	E	D	S	E	D						
18 JUL 70	01	59	17.8	I	*	E	U	S	E	U						
25 JUL 70	22	55	05.2	I	*	*	U	S	E	U						
29 JUL 70	10	31		E	*	*	*	*	*	-						
30 JUL 70	01	05	21	I	*	*	*	*	*	-						
31 JUL 70	17	15	06.5	I	S	E	D	S	E	D						
05 SEP 70	08	03	26.9	I	S	E	D	S	E	D						
06 AUG 70	20	32	41.7	I	N	W	D	-	-	-						

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							NS	EW	Z	NS	EW	Z				
12 AUG 70	09	30	20.0	I	N	W	U	N	*	*	*					
12 AUG 70	10	30	29.4	I	N	W	U	*	*	*						
13 AUG 70	04	42	04.3	I	S	E	U	S	E	U						
14 AUG 70	03	47	52.5	I	*	*	D	*	*	*						
18 AUG 70	18	00	23.0	I	S	E	U	S	E	U						
20 AUG 70	16	35	28	I	*	-	*	-	-	-						
30 AUG 70	17	57	02.0	I	S	*	*	S	W	D						
26 SEP 70	12	09	19.7	I	N	*	U	N	*	U						
27 SEP 70	03	45	25.5	I	S	*	D	S	*	D						
29 SEP 70	04	48	40.1	I	N	E	U	N	E	U						
06 OCT 70	20	48	42.2	I	S	E	U	*	*	*						
07 OCT 70	14	14	13	E	*	E	D	-	-	-						
14 OCT 70	06	10	18.0	I	S	W	U	S	W	U						
26 OCT 70	21	02	13.3	I	*	E	U	S	-	U						
03 NOV 70	02	38	39.2	I	N	W	-	-	-	-						
08 NOV 70	22	54	52	E	-	-	-	-	-	-						
08 NOV 70	23	16	15	E	-	-	-	-	-	-						
15 NOV 70	09	24	13.4	I	S	*	U	-	-	-						
17 NOV 70	02	16	29.3	I	*	*	D	-	-	-						
18 NOV 70	12	29	58.4	I	-	W	U	-	-	-						
26 NOV 70	03	18	48.0	I	*	W	D	*	E	U						
28 NOV 70	11	19	01.8	I	N	W	U	N	*	U						
28 NOV 70	14	55	50.7	I	N	W	U	-	-	-						
28 NOV 70	20	41	45.0	I	S	*	D	-	*	*						
29 NOV 70	06	13	20.8	I	S	*	D	*	*	D						
29 NOV 70	20	06	41	E	-	-	-	-	-	-						
01 DEC 70	21	20	06.1	I	N	W	U	*	*	U						
02 DEC 70	02	45	25.5	I	N	E	W	*	*	*						
02 DEC 70	09	13	40	E	*	*	U	*	*	*						
02 DEC 70	11	09	02.6	I	S	W	D	*	*	*						
03 DEC 70	05	06	31.9	I	*	*	D	S	*	D						
04 DEC 70	17	19	19.9	I	N	*	U	*	*	U						
10 DEC 70	19	41	23.6	I	N	E	D	*	*	*						
10 DEC 70	04	42	50.0	I	N	*	U	N	*	U						
12 DEC 70	07	13	39.0	I	*	W	U	-	-	-						
16 DEC 70	01	07	39.4	E	*	-	*	*	*	*						
16 DEC 70	01	10	11.2	E	*	-	*	*	*	*						
16 DEC 70	08	50	46.9	I	*	-	U	*	*	*						
19 DEC 70	00	08	27.4	E	*	*	*	-	-	-						
19 DEC 70	10	57	36.8	E	*	*	*	-	-	-						
20 DEC 70	06	09	57.6	I	*	*	D	-	-	-						
21 DEC 70	15	00	16.9	I	*	E	U	-	-	-						
22 DEC 70	01	56	40.8	E	*	*	*	-	-	-						
23 DEC 70	07	13	39.3	I	S	W	U	*	*	*						
24 DEC 70	08	06	19	E	*	*	*	*	*	*						
25 DEC 70	02	49	56.5	I	*	*	D	-	-	-						
27 DEC 70	12	00	15.4	I	*	*	D	-	-	-						
29 DEC 70	20	22	14.3	I	*	*	D	*	*	*						
30 DEC 70	02	44	54.7	E	*	*	*	*	*	*						
30 DEC 70	08	10	08.6	I	*	*	U	*	*	*						