

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES  
 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES  
 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



**Bureau des Publications SIIG - Bulletin Mensuel n°01 - 07 - Juillet 2001**  
**ISGI Publications Office Monthly Bulletin n°01 - 07 - July 2001**

<b>C O N T E N T S</b>		
<b>Rapid Variations</b>	- provisional determination of ssc and sfe	July 2001
<b>Classification of days</b>	- five international quietest days and most disturbed days	July 2001
<b>aa</b>	- hemispheric N, S, daily values and planetary half day and daily values	July 2001
<b>Quiet periods</b>	- musical diagram of aa (latest values)	July up to Sep. 16 th 2001
	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	July 2001
<b>am, Km</b>	- three hour indices values musical diagram of Km	July 2001
<b>Am, ΣKm</b>	- daily values	July 2001
<b>Ap, ΣKp</b>	- daily values	July 2001
	- monthly tables of hourly indices	July 2001
<b>Dst</b>	- monthly tables of hourly indices	June, July 2001
Explanations about published data are given in Special Issue 1994 of ISGI Monthly Bulletin.		

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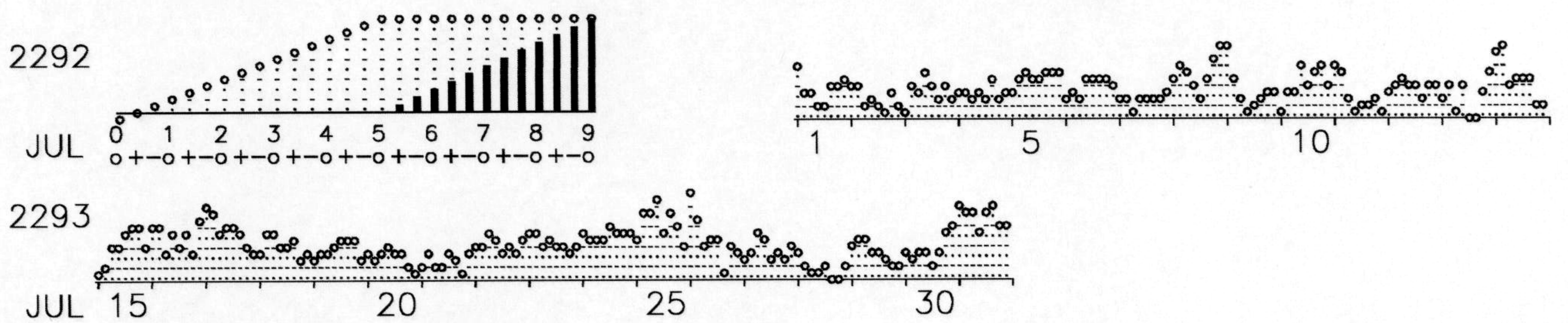
*This Bulletin is freely offered to interested Scientists thanks to a dotation from FAGS, and to the support of the hosting laboratory CETP and of French Organisations of Scientific Research (CNRS, INSU, BCMT).  
 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

<b>PRELIMINARY REPORT ON RAPID VARIATIONS</b>		<b>JULY 2001</b>
<b>SSC - Storm Sudden Commencements</b>	<b>SFE - Solar Flare Effects</b>	
None	09 1434-1449 NGK+ 31 0352-0405 NGK+	
REPORTING OBSERVATORIES (up to 5th of September 2001) :		
SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR SPT KAK HTY KNY HYB HER		

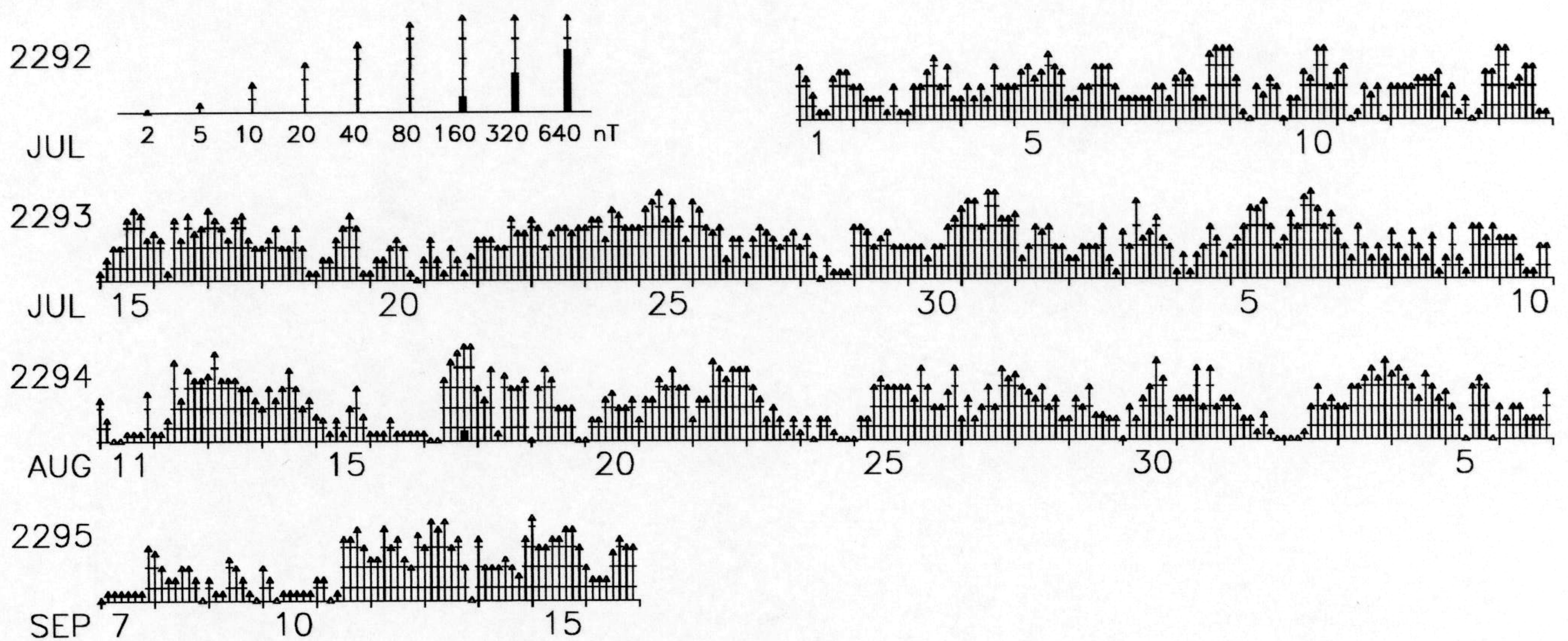
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
<b>July 2001</b>	28	21	2	20	7	31	25	17*	8*	16*

JULY 2001						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm			1	2	3	4	5	6	7	8				
1	20	9	14	15	14		31 30	12 2-	11 2-	6 10	6 10	14 20	15 20	17 2+	14	15-	7	14-
2	11	7	10	8	9	C C *	16 20	14 20	6 10	8 1+	7 10	5 1-	12 2-	7 10	9	11-	4	8+
3	17	14	12	19	16	K	4 1-	14 20	13 2-	21 3-	16 20	9 1+	14 20	9 1+	13	14-	6	120
4	15	9	10	14	12	C	13 2-	11 2-	8 1+	11 2-	8 1+	18 2+	10 1+	13 2-	12	130	6	13-
5	31	12	18	25	22		13 2-	20 2+	23 3-	18 2+	18 2+	21 3-	23 3-	25 3-	20	19+	12	21-
6	19	12	10	21	16		10 1+	12 2-	8 1+	17 2+	17 2+	17 2+	20 2+	14 20	14	16-	8	16-
7	10	8	8	10	9	C K *	9 1+	9 1+	5 1-	10 1+	9 1+	8 1+	9 1+	11 2-	9	10+	5	100
8	32	17	15	34	24		19 2+	27 30	24 3-	15 20	10 1+	19 2+	39 3+	54 40	26	210	14	210
9	18	11	17	12	15		58 40	17 2+	9 1+	5 1-	6 10	9 1+	11 2-	11 2-	16	140	10	140
10	22	18	10	30	20		4 1-	13 2-	13 2-	28 30	15 20	22 3-	32 30	16 20	18	17-	9	16+
11	15	6	13	9	11	C	29 30	24 3-	9 1+	5 1-	7 10	7 10	9 1+	4 1-	12	12-	7	13-
12	17	12	12	17	15	C	11 2-	14 20	20 2+	15 20	14 20	10 1+	16 20	14 20	14	15+	6	140
13	15	5	9	12	10	C	9 1+	15 20	5 1-	14 20	2 0+	2 0+	13 2-	21 3-	10	110	6	110
14	25	19	30	15	22		42 4-	52 40	16 20	17 2+	17 2+	19 2+	6 10	7 10	22	19-	12	19-
15	25	17	9	33	21		5 1-	7 10	14 20	16 20	23 3-	33 30	27 30	16 20	18	16+	10	170
16	27	15	18	24	21		33 30	29 30	12 2-	25 3-	16 20	25 3-	12 2-	34 3+	23	200	13	220
17	32	21	29	24	27		58 40	47 4-	23 3-	29 30	27 30	24 3-	14 20	11 2-	29	23-	16	23+
18	16	13	16	13	15		12 2-	21 3-	25 3-	15 20	14 20	18 2+	9 1+	11 2-	16	16+	8	160
19	19	13	9	23	16	K	10 1+	12 2-	12 2-	15 20	17 2+	20 2+	17 2+	9 1+	14	150	7	14-
20	9	8	8	9	9	C K *	13 2-	10 1+	12 2-	15 20	11 2-	11 2-	6 10	4 1-	10	12-	4	9+
21	10	8	9	9	9	C C *	6 10	11 2-	6 10	7 10	11 2-	8 1+	4 1-	11 2-	8	100	4	9-
22	24	12	15	21	18		14 20	16 20	22 3-	17 2+	12 2-	14 20	12 2-	20 2+	16	17-	8	18-
23	24	21	22	23	23		26 3-	23 3-	15 20	18 2+	14 20	16 20	12 2-	14 20	17	17+	9	180
24	34	24	26	33	29		26 3-	20 2+	19 2+	20 2+	30 30	25 3-	21 3-	22 3-	23	21-	12	21-
25	38	49	53	35	44		18 2+	43 4-	49 4-	65 4+	24 3-	49 4-	29 30	16 20	37	25+	20	27+
26	24	29	37	16	27		75 5-	40 3+	15 20	20 2+	18 2+	5 1-	14 20	12 2-	25	190	10	18-
27	12	21	17	16	17		9 1+	12 2-	24 3-	20 2+	10 1+	12 2-	8 1+	14 20	14	14+	6	13+
28	6	10	10	6	8	C K *	11 2-	6 10	5 1-	5 1-	7 10	3 0+	3 0+	6 10	6	7-	3	4+
29	15	20	20	15	18	K	14 20	17 2+	20 2+	11 2-	11 2-	10 1+	7 10	6 10	12	13+	5	12-
30	17	14	11	20	16		11 2-	8 1+	13 2-	12 2-	7 10	11 2-	22 3-	33 30	15	15-	7	14-
31	59	44	47	56	51		52 40	50 4-	42 4-	24 3-	45 4-	59 40	28 30	32 30	42	28-	26	30+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) JUL 2001



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JUL-SEP 2001



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - July 2001 -

Unit = NT	U.T.																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY																								
1	-14	-10	-7	-4	-4	-2	-1	-1	0	-1	0	1	4	8	9	8	8	5	-2	-10	-6	-8	-9	-6
2	-2	0	-2	-2	-6	-6	-2	0	-2	-3	-5	-3	0	1	2	3	4	3	3	1	-4	-2	1	2
3	4	6	8	14	17	20	20	22	17	10	5	4	5	5	3	-1	-6	-8	-6	-5	-3	-4	-6	-10
4	-13	-12	-6	-2	-4	-4	-2	1	3	5	5	6	10	14	17	19	12	8	9	10	7	4	1	-2
5	0	5	6	2	5	3	8	5	5	5	1	2	4	6	4	3	4	3	-2	0	-5	-7	-5	-2
6	-7	-5	-7	-4	-2	-1	1	0	0	7	2	1	2	2	2	3	1	1	-1	-9	-11	-10	-4	-4
7	-3	-3	-3	0	4	7	8	6	3	2	3	4	6	6	3	3	1	1	2	3	1	3	3	3
8	2	3	8	9	11	16	11	7	10	13	17	14	17	20	23	23	17	15	16	13	5	-8	-15	-17
9	-27	-33	-26	-21	-20	-18	-14	-14	-14	-10	-5	-3	-1	-3	-4	-5	-7	-3	-3	-3	-4	-8	-10	-9
10	-9	-7	-5	-5	-10	-12	-12	-16	-18	-11	-8	-8	-9	-13	-18	-24	-27	-26	-23	-21	-26	-31	-35	-38
11	-41	-39	-35	-30	-34	-36	-32	-32	-31	-27	-23	-22	-21	-19	-18	-15	-12	-9	-8	-6	-5	-4	-1	1
12	0	1	3	-2	-4	-2	-1	-2	-3	-3	1	-1	-2	-2	0	0	2	3	3	7	8	6	5	-2
13	-5	-4	-3	-1	-5	-3	0	2	4	3	1	0	0	2	2	3	3	5	6	6	-1	-7	-7	-8
14	-3	5	-8	-11	-22	-25	-20	-12	-9	-5	-4	-8	-10	-13	-16	-18	-21	-16	-11	-7	-7	-7	-5	-4
15	-3	-4	-2	0	0	3	6	6	3	5	7	5	6	7	7	0	-15	-23	-21	-18	-21	-20	-16	-9
16	-10	-14	-17	-20	-18	-9	-9	-10	-9	-4	-7	-5	5	5	1	-5	-3	4	5	3	0	-7	-8	-15
17	-20	-18	-21	-22	-22	-23	-16	-16	-15	-13	-13	-10	-13	-16	-17	-20	-18	-15	-14	-13	-14	-17	-16	-16
18	-18	-18	-14	-12	-13	-16	-17	-17	-14	-8	-8	-8	-9	-9	-12	-12	-13	-8	-7	-5	-3	-1	-1	-4
19	-6	-4	-1	0	0	0	0	-1	-2	1	2	-2	-6	-7	-6	-8	-7	-8	-7	-4	-5	-3	-3	-3
20	-5	-4	-2	-1	-3	-5	-8	-6	-5	-6	-5	-5	-5	-4	-2	-3	-2	-2	-4	0	-1	-3	-3	-3
21	-5	-2	2	3	8	7	7	4	3	6	7	7	7	5	5	5	7	9	12	14	16	14	8	5
22	6	6	2	-3	-11	-15	-20	-23	-21	-18	-17	-17	-17	-17	-15	-13	-11	-10	-15	-17	-12	-10	-7	-9
23	-12	-14	-15	-9	-6	-4	-4	-5	-7	-7	-7	-5	-6	-8	-9	-10	-10	-5	-3	-1	-2	-2	-2	-4
24	-6	-2	-2	-3	1	17	18	11	11	17	13	5	3	8	14	19	3	-5	-11	-8	-5	-4	-5	-3
25	0	4	2	1	-4	-9	-22	-25	-25	-24	-28	-21	-18	-14	-16	-24	-27	-24	-27	-28	-26	-23	-21	-20
26	-25	-29	-29	-31	-32	-26	-20	-18	-17	-18	-20	-18	-15	-14	-14	-14	-13	-10	-12	-14	-12	-13	-14	-15
27	-16	-13	-12	-8	-4	0	1	-3	-7	-7	-5	-3	-6	-11	-12	-11	-13	-9	-7	-7	-7	-9	-12	-13
28	-14	-13	-12	-12	-12	-10	-8	-6	-3	-1	0	-2	-6	-5	-4	-4	-4	-3	-2	0	2	1	0	1
29	2	5	4	2	-2	-6	-5	-2	-1	-1	-1	1	5	5	4	4	5	1	1	-1	1	3	6	9
30	11	10	12	12	8	8	9	8	6	7	11	12	12	11	8	9	6	2	-2	-2	-1	-8	-8	-3
31	2	12	10	12	-6	-22	-38	-31	-24	-19	-16	-10	-12	-20	-16	-17	-22	-28	-25	-23	-19	-23	-24	-23

DST  
PROVISIONAL  
2001  
JUL  
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