

ATMOSPHERIC ELECTRICITY

Atmospheric electricity data have been published since 1962. Table 1 contains the hourly average values of the potential gradient expressed in V/m. The date column gives year, month, day. Hourly averages have been taken only from hours having a recording period of 30 minutes or more. If values were available only for part of an hour the average is entered in square brackets []. These data have been used in the determination of the daily means. Values uncertain for some reason are entered in round brackets () and have not been used in calculating daily means. Daily means of each day with 24 hours of recording are entered. However, loss of a maximum of one hour's data out of twelve (for example, on account of instrument maintenance or calibration) has not precluded entering this mean value. In hours marked by S the value of the potential gradient exceeded permanently or several times the measuring limits of the equipment making the determination of an hourly average impossible. The direction of the deviations is marked by signs. OBS indicates that the potential gradient exceeded the measuring limits of the equipment both in positive and negative directions.

Table 2 gives the hourly means of quantities of positive and negative charges transported by point-discharge for each month. The values are expressed in 10^{-6} Asec/hour.

All data are presented in universal time (GMT).

Both the equipments and methods of measurements of potential gradient and point discharge have been described in the paper by BENCZE P and MÄRCZ F: "Atmosphärisch-elektrische und ionosphärische Messungen im Observatorium bei Nagycenk". Observatoriumsberichte des Geophysikalischen Forschungslaboratoriums der Ungarischen Akademie der Wissenschaften vom Jahre 1966, Sopron, 1967. Further information is given by BENCZE P and MÄRCZ F: "The Geophysical Observatory near Nagycenk. II. Atmospheric electricity and ionospheric measurements" (*Acta Geod. Geoph. Mont. Hung.*, 16,1981, 353-357).

1. Hourly means of the
1990

Date	00	01	02	03	04	05	06	07	08	09	10	11
900101	-10	-20	-10	10	10	-10	10	10	0	-10	-10	[-20]
900102	10	20	10	30	30	30	30	[40]	-	40	20	40
900103	-10	-10	-10	0	0	10	20	20	30	40	30	[40]
900104	40	40	30	20	30	30	40	30	30	20	[0]	50
900105	-10	10	-10	-30	-40	-40	-20	-60	-60	-50	[-60]	-50
900106	10	10	-40	-50	-10	-10	10	20	20	30	20	[30]
900107	10	0	20	40	40	50	60	50	50	40	-10	-20
900108	90	120	70	60	50	30	40	[10]	(0)	0	20	20
900109	50	20	50	40	20	50	30	50	60	60	60	[50]
900110	100	80	80	80	60	70	70	70	80	70	[80]	90
900111	50	50	50	40	60	70	110	70	90	70	50	[30]
900112	50	40	40	30	30	20	40	50	60	60	[40]	50
900113	20	10	10	10	20	20	30	30	30	30	[40]	10
900114	30	30	30	20	30	50	40	40	20	10	[10]	30
900115	30	10	20	30	30	30	20	(10)	-	-30	-10	-20
900116	-20	-10	-10	0	30	30	30	70	60	50	[60]	70
900117	40	30	20	20	20	20	40	80	70	80	[80]	60
900118	20	10	20	30	30	40	40	60	80	[100]	120	90
900119	50	40	40	30	50	50	50	50	50	50	[50]	50
900120	30	30	40	40	50	50	50	50	70	80	70	[70]
900121	-10	20	10	10	20	40	30	40	50	70	-	20
900122	40	30	40	40	40	40	50	[70]	-	110	100	80
900123	40	70	60	60	50	70	80	200	130	120	[80]	90
900124	40	70	30	40	20	30	30	-70	-10	30	50	[110]
900125	100	-40	-20	10	10	-10	30	20	10	30	[40]	40
900126	30	30	30	30	30	40	40	40	20	30	-	-S
900127	10	10	10	10	10	20	20	30	30	40	50	60
900128	30	30	20	0	10	20	20	20	10	20	-	30
900129	-20	-30	-40	20	10	20	30	[-10]	[-10]	-10	20	40
900130	0	0	0	0	0	0	0	0	0	20	-	50
900131	10	0	0	10	20	10	30	20	20	20	[0]	30

Date	00	01	02	03	04	05	06	07	08	09	10	11
900201	0	0	0	0	0	0	0	0	0	10	[30]	40
900202	50	60	30	20	10	-10	-10	-10	-10	0	30	[40]
900203	10	10	0	0	0	0	0	0	20	30	30	[30]
900204	10	10	0	10	20	30	30	30	-	30	40	40
900205	30	30	40	60	60	60	50	[60]	(60)	70	70	60
900206	60	70	70	50	50	50	40	70	70	60	40	60
900207	-10	-10	-10	0	10	10	-20	-10	30	30	[30]	40
900208	0	0	-10	-10	20	-10	-10	-20	(-10)	0	[50]	60
900209	20	-S	OBS	30	40	50	50	60	60	60	[50]	50
900210	50	50	50	50	50	50	60	60	80	80	80	80
900211	-20	-20	0	0	0	0	10	20	-10	-10	-	-
900212	70	50	40	20	30	-80	-60	-20	-40	-40	-20	-10
900213	120	130	90	90	70	50	40	50	60	70	[50]	60
900214	40	40	-20	OBS	+S	-30	-20	-10	-30	-30	[30]	50
900215	30	40	40	40	50	50	-10	20	10	30	[40]	50
900216	50	30	40	30	40	40	50	50	60	70	80	[70]
900217	50	40	50	50	50	50	70	90	90	80	[70]	70
900218	10	40	40	50	60	80	90	100	100	70	70	-
900219	60	50	50	60	40	60	110	(90)	-	130	100	70
900220	90	80	110	120	130	100	130	120	80	150	[120]	120
900221	0	70	120	+S	100	+S	+S	40	40	40	[60]	70
900222	50	70	40	40	30	30	40	60	70	[90]	90	90
900223	70	60	60	70	80	80	70	80	100	120	[130]	140
900224	40	70	70	50	60	50	80	70	100	70	80	60
900225	80	90	80	90	80	90	80	90	120	110	-	110
900226	50	40	60	60	50	40	30	[50]	-	50	50	50
900227	30	20	20	20	30	30	OBS	-S	40	30	[30]	30
900228	30	20	20	20	30	20	20	30	20	20	[20]	30

12	13	14	15	16	17	18	19	20	21	22	23	Means
(40)	(30)	30	40	30	40	40	40	30	50	50	30	-
[60]	60	70	60	50	80	80	60	40	40	10	0	34
30	30	30	30	10	0	0	0	0	0	10	10	12
50	60	60	70	60	70	80	70	60	60	60	40	43
70	100	70	110	170	130	120	120	90	110	120	70	81
60	[60]	[80]	70	60	40	30	30	30	20	0	-10	48
40	30	50	30	10	-10	0	10	0	10	10	10	12
60	80	90	80	70	90	100	100	70	40	40	40	40
50	50	60	60	50	50	50	50	60	50	50	50	-
60	[50]	50	60	50	30	20	10	10	-10	-10	0	44
OBS	+S	-30	-10	-10	-20	10	60	40	40	40	70	-
[20]	OBS	+S	30	30	40	60	60	80	110	120	120	-
60	60	40	40	30	40	50	60	40	50	40	50	60
70	60	OBS	-S	20	50	50	50	40	40	50	30	-
OBS	OBS	+S	60	-	-	(-40)	40	30	40	-S	+S	-
60	50	60	50	50	70	70	60	40	50	40	OBS	-
60	60	50	50	40	40	50	40	30	30	20	10	52
-	90	80	70	50	50	60	70	60	60	70	80	66
60	70	80	90	100	120	130	70	120	80	90	80	-
110	120	110	100	90	80	100	100	110	80	70	30	102
70	50	40	30	30	40	40	80	100	110	100	80	-
110	90	100	110	120	90	90	100	80	80	80	80	78
100	80	40	30	50	50	20	30	50	30	20	40	67
[70]	70	80	80	80	90	90	70	50	70	60	50	69
80	80	70	80	80	50	50	80	70	60	80	50	80
60	50	40	30	-20	-20	30	30	OBS	OBS	+S	-S	-
50	20	OBS	20	40	70	+S	30	40	40	30	30	-
30	30	50	40	40	30	40	30	0	-100	-10	30	20

Date	00	01	02	03	04	05	06	07	08	09	10	11
900301	30	40	40	40	40	OBS	40	20	40	-20	20	20
900302	30	30	30	30	50	30	40	50	40	30	[30]	30
900303	40	OBS	OBS	60	30	30	30	50	50	50	50	50
900304	30	40	30	20	30	30	30	-	-	50	50	40
900305	20	30	30	30	30	40	60	(60)	-	70	60	60
900306	70	50	40	30	30	20	50	70	[80]	80	20	20
900307	30	30	30	30	30	20	40	30	40	30	[30]	30
900308	20	20	20	20	10	20	50	70	60	70	[80]	100
900309	40	50	20	20	10	20	20	30	[50]	50	40	30
900310	+S	-S	OBS	0	-10	OBS	OBS	OBS	+S	+S	+S	+S
900311	-30	-10	10	0	0	10	10	0	10	30	-	50
900312	30	40	30	30	40	40	60	[50]	(70)	70	80	70
900313	40	30	30	30	30	30	(50)	-	-	(50)	70	70
900314	30	30	20	10	10	20	(0)	-10	10	30	[30]	30
900315	10	20	10	20	30	30	70	70	[80]	50	40	40
900316	20	30	20	30	20	20	40	60	70	50	30	30
900317	20	20	20	30	10	10	30	30	30	30	40	50
900318	10	10	10	10	10	10	20	20	20	20	30	40
900319	10	20	30	20	10	10	30	40	-	[60]	70	70
900320	20	10	0	0	10	20	30	40	40	50	[50]	60
900321	30	20	30	20	10	20	30	30	20	30	[20]	30
900322	20	20	30	20	20	30	40	70	50	[40]	40	40
900323	10	0	0	0	10	-40	20	60	50	60	[70]	30
900324	40	30	20	30	20	30	40	30	[10]	20	30	50
900325	40	50	50	40	10	30	30	OBS	OBS	30	[40]	OBS
900326	10	10	10	20	20	30	[50]	-	70	60	70	80
900327	30	30	30	10	-30	-30	-40	-30	0	[20]	50	50
900328	(20)	-S	OBS	OBS	10	0	OBS	OBS	OBS	[30]	30	50
900329	30	40	30	30	20	30	30	20	10	[10]	30	30
900330	20	10	10	10	0	-10	-10	-10	-10	[-10]	0	0
900331	-60	-30	-10	0	-30	-10	20	30	60	[70]	[80]	90

12	13	14	15	16	17	18	19	20	21	22	23	Means
30	40	30	30	20	20	OBS	OBS	20	20	30	30	-
30	20	-20	0	30	40	-S	-S	50	30	+S	30	-
60	[50]	40	20	40	40	30	20	20	30	OBS	30	-
40	40	70	70	70	70	70	60	50	60	30	20	-
40	50	40	40	50	50	50	60	70	70	80	80	51
40	30	30	40	60	80	70	50	30	30	30	30	45
40	30	40	70	80	80	90	80	70	50	30	20	44
120	90	80	80	50	40	80	80	40	50	50	30	55
40	40	40	20	30	40	30	OBS	OBS	-S	OBS	OBS	-
OBS	+S	30	0	-S	-S	-S	-S	-S	-S	-50	-30	-
60	60	70	70	80	80	100	80	50	40	40	40	37
40	60	60	60	60	70	60	50	50	50	60	70	54
60	50	50	40	40	40	40	50	40	30	20	20	-
40	30	30	20	10	20	40	40	40	30	30	40	25
60	60	70	80	80	70	70	60	50	50	40	40	50
40	40	40	40	30	40	40	30	20	10	20	20	33
50	[50]	[40]	40	40	40	40	30	40	40	20	20	32
-	60	60	60	40	50	50	40	40	40	30	20	30
60	60	60	50	60	60	60	50	40	30	30	20	41
70	60	60	50	50	40	50	40	50	40	30	30	38
30	30	20	30	30	30	30	40	30	40	40	30	28
40	40	40	40	30	40	40	40	30	30	20	10	34
50	-10	-30	-60	30	70	70	50	50	60	70	60	28
40	40	40	40	30	30	30	20	30	30	30	30	31
OBS	-50	-20	-20	-10	0	10	20	20	20	10	10	-
100	90	100	100	90	90	50	50	40	30	30	40	54
30	50	40	30	30	-10	OBS	-30	-30	0	30	(OBS)	-
70	60	70	60	50	50	60	50	40	30	40	30	-
30	30	30	30	40	30	10	10	10	10	-20	20	23
20	0	0	10	-10	-20	-10	-30	-60	-50	-70	-50	-11
110	110	70	70	70	60	90	50	50	10	-10	-10	37

Date	00	01	02	03	04	05	06	07	08	09	10	11
900401	0	-10	-10	30	30	50	50	70	-	50	50	50
900402	30	30	30	20	10	-20	(30)	[30]	70	80	100	80
900403	30	30	30	30	30	30	30	[30]	-	40	60	50
900404	20	30	20	10	10	10	40	40	30	[10]	50	10
900405	20	20	20	10	20	30	30	50	40	[30]	70	30
900406	40	30	20	10	20	30	10	-10	-10	[30]	20	30
900407	30	40	50	50	80	90	70	40	40	[40]	-30	0
900408	-20	-20	-30	050	-90	-50	-30	-50	-50	-70	-	-20
900409	80	80	80	90	70	90	[80]	-	70	70	60	60
900410	10	20	30	30	30	40	30	40	30	[30]	40	40
900411	30	30	30	30	30	30	50	40	(40)	(40)	-20	30
900412	30	30	30	30	30	30	40	30	40	[30]	40	30
900413	20	20	20	10	10	(10)	-	-	-	-	-	-
900414	20	20	20	20	30	30	30	30	30	40	40	30
900415	10	20	30	30	20	30	30	-	[30]	30	30	30
900416	30	30	30	30	30	30	30	40	[50]	40	30	30
900417	30	30	30	30	30	30	30	-	50	60	60	70
900418	40	30	20	20	30	30	30	20	[30]	30	30	10
900419	-10	-10	OBS	OBS	+S	-20	-60	30	30	OBS	OBS	-
900420	70	60	80	70	70	30	30	40	60	80	[-S]	+S
900421	60	50	80	100	80	50	20	30	[60]	0	-40	+S
900422	30	30	30	20	10	10	10	20	-	30	40	30
900423	-10	-10	10	0	-30	-30	[-10]	10	30	0	-40	OBS
900424	-10	-50	30	40	30	40	50	[40]	50	40	-S	OBS
900425	-	-	-	-	-	-	-	(10)	40	OBS	OBS	-S
900426	20	20	20	20	20	30	[30]	[40]	40	40	40	30
900427	10	10	20	20	20	30	(40)	[40]	40	40	40	40
900428	OBS	-S	10	30	30	40	80	80	[50]	40	30	30
900429	30	30	20	20	20	40	60	80	80	-	60	60
900430	40	30	30	20	30	40	60	50	60	[70]	80	80

12	13	14	15	16	17	18	19	20	21	22	23	Means
60	70	70	50	60	60	30	20	0	20	10	10	36
100	70	60	50	50	50	30	50	50	30	30	30	46
40	30	40	40	40	50	50	60	60	40	40	40	40
40	40	50	40	40	30	60	60	50	30	30	30	33
30	30	40	30	20	20	50	40	30	30	40	40	32
30	30	40	20	-50	-40	-30	30	30	-60	-70	80	10
-30	-50	-40	-50	-90	-90	40	-20	-10	0	-10	-10	6
10	30	50	60	80	80	110	100	70	30	50	80	12
30	30	30	30	30	30	30	30	20	20	20	20	51
40	40	50	30	30	40	40	40	40	30	30	30	34
30	30	30	30	+S	+S	30	40	60	30	40	30	-
30	40	40	30	40	30	30	30	30	30	30	30	33
-	30	40	40	30	30	30	30	30	30	30	30	-
30	30	30	30	30	20	20	30	20	20	10	10	26
30	30	30	30	30	30	30	-20	-S	+S	30	30	-
30	30	40	30	30	30	30	40	40	30	30	30	33
70	60	60	60	60	50	50	60	50	40	30	30	47
30	30	50	OBS	0	30	30	40	40	20	-10	-10	25
-	-	-	-	-	-	(-40)	80	60	60	60	80	-
+S	OBS	OBS	OBS	+S	-10	0	0	-10	10	30	30	-
OBS	30	30	10	10	-40	-10	10	-30	10	0	10	24
30	40	30	60	20	30	20	30	30	20	10	0	25
20	30	20	30	30	30	40	40	50	60	30	20	14
OBS	-	-	-	-	-	-	-	-	-	-	-	-
+S	50	30	30	40	40	50	30	20	10	10	10	-
40	20	30	20	20	OBS	20	20	30	30	30	10	27
40	10	20	40	40	50	50	60	30	OBS	-S	30	-
40	40	40	30	30	40	40	50	50	40	30	20	-
70	80	70	80	80	90	80	90	80	60	40	40	59
80	90	80	80	70	70	60	30	20	30	10	0	50

Date	00	01	02	03	04	05	06	07	08	09	10	11
900501	20	20	30	10	0	0	10	20	20	30	[20]	—
900502	10	0	0	0	0	0	20	[30]	60	70	80	70
900503	20	20	20	20	20	30	30	40	[40]	50	60	50
900504	30	30	20	30	30	30	70	[50]	50	60	60	70
900505	0	0	0	20	20	40	50	50	70	[60]	60	70
900506	0	0	0	0	10	10	20	20	30	—	20	40
900507	−10	−10	10	0	0	OBS	−S	20	20	—	[40]	40
900508	20	30	30	30	30	40	40	30	30	40	[50]	50
900509	0	0	0	10	20	40	40	40	50	[60]	60	40
900510	OBS	OBS	OBS	OBS	30	30	OBS	30	40	[40]	40	80
900511	0	0	20	30	40	40	40	[40]	[50]	40	60	60
900512	30	20	20	20	20	30	30	[30]	20	10	30	−10
900513	40	30	40	30	30	30	30	50	50	60	—	[50]
900514	30	30	30	30	30	40	(40)	(40)	50	50	50	50
900515	30	20	20	20	30	30	40	40	40	50	60	OBS
900516	20	10	20	20	30	30	40	30	50	[40]	40	90
900517	0	0	20	10	20	30	30	[30]	[40]	40	+S	OBS
900518	20	30	30	30	20	40	80	[40]	60	70	+S	70
900519	30	40	30	20	30	40	50	50	50	[50]	50	50
900520	30	30	20	20	20	30	10	—	10	20	20	20
900521	30	30	30	30	30	20	(30)	(20)	20	20	20	30
900522	20	20	20	20	20	30	20	[20]	20	20	20	20
900523	20	20	10	10	20	50	80	[120]	60	30	30	20
900524	10	10	10	10	20	20	20	[30]	20	20	30	20
900525	20	20	10	20	10	−S	OBS	—	—	—	—	20
900526	−20	−10	0	0	20	30	50	[60]	70	60	40	40
900527	20	20	20	20	20	20	30	30	30	30	[40]	—
900528	20	20	20	20	20	30	20	(30)	(40)	40	40	−S
900529	−10	−20	10	10	30	[30]	(40)	—	(60)	50	50	40
900530	20	10	10	10	20	20	40	40	50	50	[50]	40
900531	0	0	0	10	10	20	20	30	40	30	30	[−S]

12	13	14	15	16	17	18	19	20	21	22	23	Means
30	40	40	50	40	70	60	40	50	70	30	20	31
70	60	60	50	60	60	70	50	50	50	50	40	42
50	60	60	60	50	50	30	40	40	40	40	50	40
70	60	70	70	50	20	20	20	10	20	0	0	39
50	50	50	50	40	40	20	20	20	+S	10	0	34
0	70	OBS	+S	10	20	0	0	-10	-10	-10	0	-
40	0	OBS	OBS	OBS	OBS	40	40	30	30	30	20	-
30	40	50	40	40	30	20	20	20	20	0	0	30
30	20	30	40	30	20	30	+S	OBS	OBS	OBS	OBS	-
90	40	40	30	20	40	30	30	20	10	10	0	-
70	60	50	40	40	40	30	30	30	30	20	20	37
30	30	40	40	40	30	30	30	30	30	30	30	27
40	50	50	60	60	40	40	40	30	30	40	30	41
50	OBS	OBS	(+S)	30	30	20	30	40	40	40	30	-
OBS	90	60	50	50	50	50	40	30	30	20	30	40
50	30	30	40	30	30	30	30	30	10	10	10	31
OBS	-S	OBS	+S	OBS	40	40	40	30	40	40	30	-
50	50	50	50	40	40	50	50	40	40	30	30	44
60	50	50	50	50	50	40	30	30	30	40	30	42
20	30	30	30	30	30	30	20	30	30	20	30	24
30	30	30	30	20	20	30	30	20	20	20	20	25
20	40	50	50	40	-S	OBS	+S	20	20	0	10	-
20	30	30	20	30	(30)	(20)	30	20	20	20	20	32
20	20	20	20	20	20	20	20	10	20	10	20	18
-50	-S	OBS	OBS	20	-10	-30	OBS	-20	-20	-20	-20	-
30	40	40	30	40	40	40	40	30	20	20	20	30
40	30	30	40	40	30	40	30	20	20	20	20	28
OBS	OBS	OBS	-S	OBS	+S	+S	-S	20	10	10	10	-
40	40	40	40	50	40	30	30	10	20	30	20	28
+S	40	40	50	50	50	50	0	30	10	0	0	30
OBS	OBS	40	30	40	40	30	10	10	0	0	-10	-

Date	00	01	02	03	04	05	06	07	08	09	10	11
900601	-10	0	0	0	10	20	20	[20]	10	-50	10	20
900602	10	20	20	20	10	40	30	20	10	30	[30]	30
900603	-S	10	0	10	20	30	100	120	120	-	50	20
900604	10	20	10	20	20	30	(40)	(30)	30	30	30	40
900605	20	10	-70	10	20	30	80	130	[80]	30	20	10
900606	30	30	30	20	30	30	30	40	[30]	40	40	40
900607	30	30	40	30	30	80	(120)	-	-	[90]	70	50
900608	20	20	20	30	50	40	20	60	30	[20]	10	0
900609	-30	-40	-20	-50	30	70	100	[120]	80	70	40	40
900610	OBS	OBS	-S	30	80	-S	-50	10	-	40	80	40
900611	40	40	30	20	30	-S	0	(10)	20	70	30	40
900612	20	20	10	20	20	30	30	50	[60]	[60]	40	30
900613	20	30	-20	-10	-10	0	20	[30]	100	30	-70	+S
900614	20	20	20	20	20	30	[30]	[20]	40	50	50	50
900615	20	10	10	20	20	30	[20]	[20]	20	30	30	30
900616	0	20	20	30	60	90	90	70	[70]	60	40	30
900617	20	20	10	20	20	20	20	-	40	40	30	30
900618	10	20	20	20	30	20	20	-	30	40	40	50
900619	20	20	10	10	20	30	30	[30]	30	40	40	40
900620	30	30	40	30	30	40	30	[40]	40	30	30	30
900621	20	20	20	30	30	30	[30]	20	40	OBS	-S	+S
900622	20	20	20	20	30	20	10	[20]	20	30	30	30
900623	-20	20	10	40	0	10	30	[70]	80	30	20	10
900624	20	10	10	20	30	40	80	70	[60]	-	40	40
900625	20	20	30	30	30	40	[40]	-	60	70	60	50
900626	20	20	20	30	30	30	30	[30]	40	50	60	70
900627	30	30	30	30	30	[50]	30	30	30	30	30	30
900628	0	0	0	-10	0	10	20	30	30	30	[30]	30
900629	OBS	10	0	0	20	30	[70]	100	80	70	50	40
900630	10	0	0	10	20	30	30	30	30	[30]	50	50

12	13	14	15	16	17	18	19	20	21	22	23	Means
20	-S	30	40	50	30	20	20	10	20	10	0	13
30	30	30	30	30	20	20	0	OBS	OBS	+S	-20	-
10	OBS	10	20	20	30	30	30	20	30	20	20	-
40	40	40	40	50	30	-S	OBS	OBS	10	30	30	-
20	20	30	30	30	40	30	30	30	30	30	30	30
40	50	70	30	-10	-10	10	20	-30	-10	50	30	26
50	60	50	50	40	40	50	50	40	40	30	20	-
0	20	30	40	50	-S	OBS	OBS	OBS	+S	20	30	-
30	40	40	40	50	40	-S	OBS	OBS	OBS	OBS	OBS	-
20	30	50	40	30	30	30	30	30	40	40	50	-
60	30	30	20	20	20	20	20	20	20	20	20	28
30	30	20	20	30	OBS	OBS	0	-10	OBS	OBS	10	-
+S	70	40	40	40	30	30	30	20	20	20	20	22
50	40	OBS	OBS	20	OBS	OBS	OBS	+S	10	10	10	-
30	50	70	-S	OBS	+S	OBS	OBS	30	20	0	-10	-
50	40	40	20	30	30	30	30	30	30	20	20	40
30	30	30	30	20	20	20	20	20	20	20	10	24
+S	+S	+S	-S	OBS	OBS	OBS	30	30	20	20	20	-
40	40	40	40	40	40	50	40	40	30	30	30	33
30	30	30	30	30	30	30	20	20	10	10	0	28
+S	80	40	50	50	60	50	60	60	60	30	30	-
40	40	40	40	40	40	40	30	30	40	OBS	OBS	-
-10	30	30	20	-30	30	30	40	50	40	30	30	25
30	40	50	50	40	30	40	40	40	30	30	20	37
40	40	50	50	50	40	30	30	30	20	20	20	38
60	60	60	50	60	60	30	30	30	30	30	30	40
30	30	30	30	30	20	20	10	10	0	-10	0	24
30	30	30	30	30	30	20	30	OBS	-S	-S	OBS	-
50	40	40	40	30	30	30	30	20	0	0	0	34
60	60	40	(30)	30	40	40	30	30	30	30	30	31

Date	00	01	02	03	04	05	06	07	08	09	10	11
900701	30	30	30	30	30	30	30	30	-	30	+S	OBS
900702	30	30	30	10	30	10	30	20	0	0	[60]	50
900703	40	30	30	30	40	70	70	(70)	70	70	70	80
900704	+S	OBS	OBS	50	70	40	30	[50]	60	50	40	40
900705	20	20	30	30	30	40	40	[40]	40	40	40	40
900706	30	20	20	-10	-10	-10	[-30]	0	30	20	50	40
900707	30	30	30	30	30	30	[30]	[40]	50	50	40	30
900708	10	20	10	40	80	60	30	-	20	30	50	40
900709	10	10	40	40	40	50	60	-	50	50	50	50
900710	-S	-S	40	30	30	+S	OBS	OBS	OBS	OBS	OBS	OBS
900711	10	10	20	30	50	120	[150]	150	130	110	70	70
900712	30	40	40	30	40	[50]	[50]	50	60	70	70	80
900713	40	30	30	20	30	50	60	[80]	90	110	110	120
900714	10	10	0	20	10	10	30	[40]	40	40	50	50
900715	20	20	20	20	20	40	40	40	[40]	-	60	60
900716	30	30	30	30	40	60	60	(60)	70	60	40	40
900717	10	20	10	10	10	30	30	[30]	30	50	30	50
900718	30	30	30	30	30	30	30	60	50	[40]	30	30
900719	40	30	30	30	30	30	40	[50]	[70]	40	30	40
900720	30	20	20	20	30	30	50	60	[60]	80	60	50
900721	20	20	30	30	30	30	30	[50]	50	60	30	30
900722	-	-	-	-	-	-	-	-	40	40	50	50
900723	30	30	30	30	30	40	40	-	[50]	60	70	60
900724	30	20	10	10	20	30	30	40	[50]	60	60	50
900725	20	30	10	10	10	30	30	[60]	[10]	[50]	60	60
900726	10	20	10	20	20	20	[30]	30	40	40	50	40
900727	10	10	20	10	20	20	[20]	30	30	30	30	30
900728	20	20	20	20	30	[30]	30	30	40	50	60	50
900729	20	10	10	20	20	30	30	-	30	30	30	30
900730	20	20	20	10	20	30	30	(30)	[40]	50	60	60
900731	20	10	10	0	0	0	20	30	[40]	[60]	60	40

12	13	14	15	16	17	18	19	20	21	22	23	Means
OBS	OBS	OBS	90	50	30	30	30	30	30	30	30	—
60	30	OBS	0	20	30	30	30	40	40	30	40	28
50	50	50	50	30	40	40	30	30	30	30	20	46
60	30	10	10	70	20	30	40	30	40	30	20	—
40	40	50	50	50	40	50	40	30	40	40	50	39
50	60	40	40	40	40	40	40	30	40	30	40	27
30	40	40	40	50	50	50	40	40	30	30	10	36
30	40	30	30	20	20	30	20	20	20	20	20	30
50	50	50	50	50	50	50	50	60	OBS	OBS	OBS	—
OBS	OBS	50	OBS	OBS	OBS	—S	10	20	20	—20	0	—
50	50	50	50	40	50	50	50	50	40	40	30	61
80	80	90	90	80	80	80	70	60	50	40	40	60
100	100	110	120	110	90	60	50	50	40	30	30	66
50	50	50	50	50	50	50	40	40	20	10	10	33
60	50	50	50	50	40	30	20	20	30	30	20	36
40	30	30	30	30	30	30	30	30	30	20	20	37
30	30	OBS	+S	10	—S	+S	—S	OBS	10	30	30	—
40	30	30	40	40	30	40	40	30	40	40	30	36
30	50	50	50	50	60	70	70	70	70	50	40	47
(60)	(60)	60	50	60	50	40	30	30	30	20	20	—
30	30	30	30	30	40	30	30	30	30	30	20	32
40	30	30	30	30	30	30	30	30	30	30	30	—
60	40	30	30	30	30	30	30	20	20	30	30	37
50	40	30	50	50	50	40	30	30	30	20	20	35
40	40	40	30	50	40	30	30	20	20	20	20	32
40	50	40	40	30	30	20	20	10	10	20	10	27
30	30	40	40	30	30	30	30	30	30	20	20	26
50	60	60	60	50	30	30	20	20	30	10	20	35
50	50	60	70	60	30	30	30	30	30	20	20	32
60	60	70	60	60	40	30	30	30	30	30	30	39
40	40	40	40	40	50	50	40	30	30	30	10	30

Date	00	01	02	03	04	05	06	07	08	09	10	11
900801	10	10	10	10	20	30	[40]	60	50	70	50	70
900802	20	20	20	20	20	30	[30]	40	50	70	60	60
900803	50	40	40	40	40	40	[60]	80	70	70	70	60
900804	20	30	30	30	30	40	[60]	60	50	50	40	40
900805	20	20	20	10	10	30	30	0	–	[–30]	20	20
900806	20	10	10	20	20	30	(30)	(40)	40	50	60	60
900807	70	30	40	20	20	–20	[–10]	[70]	110	90	70	90
900808	10	0	20	40	30	30	[30]	30	50	50	40	40
900809	30	20	20	20	20	40	[50]	[40]	50	50	50	50
900810	10	10	20	20	20	30	30	40	50	[50]	50	50
900811	30	70	30	20	20	20	30	30	[60]	60	50	50
900812	10	10	10	20	20	30	40	40	[40]	50	50	50
900813	30	20	10	10	20	30	–	–	[20]	20	20	30
900814	20	20	20	20	20	20	30	30	[40]	50	50	40
900815	20	20	20	20	20	20	20	30	[30]	30	30	30
900816	20	10	10	20	20	30	50	[70]	40	40	30	30
900817	30	30	30	20	20	20	30	[50]	50	30	20	0
900818	10	10	20	20	20	20	30	60	[70]	50	60	50
900819	20	20	20	20	20	20	30	–	20	20	30	20
900820	10	10	10	10	10	20	20	30	(30)	40	30	40
900821	30	30	30	70	30	30	30	[OBS]	OBS	OBS	OBS	–S
900822	20	10	20	10	10	20	20	20	30	40	30	[30]
900823	30	20	30	30	30	40	40	[50]	[60]	50	50	40
900824	30	50	40	30	30	40	50	70	50	[70]	70	70
900825	30	30	30	30	30	30	40	40	[40]	40	40	50
900826	20	30	30	30	20	30	30	30	40	[40]	–	50
900827	20	20	10	10	10	20	30	30	(40)	–	–	[50]
900828	20	30	30	20	30	30	30	[30]	20	30	30	40
900829	30	20	20	20	20	30	[30]	30	30	30	30	30
900830	20	20	20	20	20	30	40	[40]	30	0	20	30
900831	30	30	30	30	30	40	30	30	[0]	–10	0	10

12	13	14	15	16	17	18	19	20	21	22	23	Means
80	70	70	60	50	60	40	30	30	30	20	10	41
60	60	60	60	50	40	40	50	50	60	60	50	45
40	40	40	40	40	40	30	30	40	40	30	30	46
50	50	50	70	60	40	30	30	30	30	20	30	40
30	30	40	40	30	30	30	30	20	30	20	20	22
-S	OBS	0	OBS	-S	OBS	OBS	OBS	OBS	40	40	70	-
110	70	80	50	40	50	60	40	30	30	30	20	50
40	40	30	30	30	40	40	40	40	30	30	30	33
50	40	40	30	30	30	30	30	30	20	20	20	34
50	50	50	50	50	30	30	30	30	40	50	20	36
50	50	50	50	50	40	30	30	20	20	10	10	37
50	60	50	50	40	40	40	40	40	40	30	30	37
30	30	30	40	30	30	40	20	40	30	20	20	-
40	30	40	30	20	30	30	30	40	40	30	30	31
30	20	20	20	20	20	40	+S	OBS	0	10	10	-
30	40	30	30	20	30	30	40	40	30	20	20	30
-20	0	-20	OBS	OBS	-20	20	20	20	20	10	10	-
30	40	40	40	30	30	30	30	20	20	20	20	32
10	-30	20	40	30	30	20	20	20	20	20	10	20
40	40	50	40	30	40	OBS	50	70	50	30	30	32
-S	30	30	30	30	30	40	30	30	30	20	20	-
30	30	30	20	10	0	OBS	10	30	30	30	30	22
40	40	40	40	30	30	30	30	50	50	20	10	37
70	70	70	70	50	50	30	30	30	30	30	40	49
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50	50	60	50	50	40	40	40	30	20	30	30	35
30	40	40	30	30	30	30	30	30	30	30	20	29
30	40	40	50	50	50	50	40	40	40	40	30	33
20	30	40	30	40	30	30	40	30	30	40	30	27

Date	00	01	02	03	04	05	06	07	08	09	10	11
900901	20	10	10	10	10	20	30	30	30	40	40	50
900902	-10	30	30	30	30	70	100	140	100	70	-	40
900903	30	30	20	20	30	40	50	-	50	50	-S	40
900904	0	10	10	30	30	40	[80]	150	120	100	50	40
900905	30	30	30	30	20	40	[+S]	[80]	30	40	30	30
900906	30	20	10	20	20	30	40	[40]	40	40	40	40
900907	30	10	10	30	30	40	[50]	[30]	80	30	20	30
900908	-50	-20	-60	0	30	20	10	30	[70]	80	50	-20
900909	30	30	30	30	30	30	40	50	50	40	40	40
900910	30	30	0	OBS	+S	40	60	-	[40]	30	30	20
900911	20	20	20	20	20	20	30	[60]	50	30	20	20
900912	0	20	20	20	OBS	30	[60]	[30]	20	20	30	+S
900913	30	20	20	20	30	40	40	40	40	[50]	50	50
900914	20	10	10	20	30	30	40	[50]	50	50	60	70
900915	20	20	20	20	30	20	30	30	[30]	40	50	50
900916	20	20	20	20	20	20	30	-	50	60	60	40
900917	20	20	10	10	10	20	20	(40)	[40]	40	(40)	(50)
900918	40	+S	70	+S	0	10	[30]	[40]	70	70	40	30
900919	30	20	20	20	30	30	20	30	[20]	30	40	30
900920	50	50	40	30	40	30	[40]	[40]	40	40	30	40
900921	-	-	-	-	-	-	-	10	30	10	10	30
900922	30	20	20	10	20	30	30	40	40	30	20	[40]
900923	60	60	60	50	50	40	50	50	-	50	50	50
900924	OBS	40	30	40	30	OBS	OBS	+S	OBS	OBS	20	70
900925	40	30	20	30	30	30	40	40	50	(40)	30	30
900926	30	30	30	30	30	30	30	[50]	40	0	-10	10
900927	10	10	20	20	20	20	30	30	40	[60]	60	50
900928	30	20	20	30	30	30	40	60	60	70	70	[60]
900929	20	30	30	30	30	40	70	[40]	60	60	60	60
900930	40	30	40	40	40	50	60	60	40	30	40	-

12	13	14	15	16	17	18	19	20	21	22	23	Means
40	[40]	40	OBS	OBS	OBS	-60	10	-20	-30	30	20	-
50	50	40	50	50	50	50	50	40	50	40	30	51
30	OBS	OBS	OBS	10	30	30	30	20	20	10	10	-
40	50	40	30	80	50	60	70	80	60	40	40	54
20	30	30	OBS	20	20	30	40	40	30	30	30	-
40	20	30	30	30	30	30	40	40	40	30	30	32
30	30	0	+S	OBS	0	-30	-S	OBS	OBS	-S	-50	-
20	0	40	40	30	40	40	40	40	40	40	40	23
-	40	40	30	50	40	30	40	40	30	30	40	37
30	20	20	20	30	40	50	50	40	30	30	20	-
20	20	20	20	-S	-S	20	20	20	20	20	20	-
OBS	OBS	OBS	OBS	-S	30	40	60	40	30	30	30	-
50	60	30	0	20	30	20	30	30	20	20	20	32
60	50	40	40	30	40	30	30	20	20	20	20	35
60	50	60	70	70	60	40	30	30	30	30	20	38
50	40	40	30	30	20	30	30	20	20	20	20	31
40	40	40	40	40	40	30	30	30	30	40	30	30
40	40	50	50	OBS	-S	30	30	30	30	30	30	-
30	40	50	50	40	40	40	40	50	50	40	50	35
30	+S	OBS	-	-	-	-	-	-	-	-	-	-
50	50	50	50	60	40	-S	60	OBS	50	40	40	-
50	40	50	40	50	40	60	60	60	50	50	60	39
50	50	60	60	50	50	50	50	60	60	OBS	OBS	-
70	50	+S	OBS	OBS	OBS	30	40	40	30	40	40	-
40	40	30	40	50	40	50	40	50	50	30	40	38
20	30	30	20	30	30	60	30	30	20	0	10	25
50	40	30	30	30	30	50	40	30	30	30	30	33
60	70	70	60	40	70	50	40	40	30	30	20	46
60	70	40	40	30	30	30	10	30	30	30	30	40
50	50	40	40	40	30	30	30	40	60	50	50	43

Date	00	01	02	03	04	05	06	07	08	09	10	11
901001	40	40	30	30	40	50	70	90	(70)	(50)	60	60
901002	-S	30	20	20	-S	-S	-10	50	190	[130]	90	70
901003	20	30	20	30	30	80	60	40	[30]	30	40	40
901004	30	30	20	30	10	20	0	10	[30]	30	20	20
901005	20	20	30	20	40	30	40	60	50	[50]	20	40
901006	40	40	30	30	20	50	80	[70]	[60]	60	50	40
901007	30	30	10	30	40	70	130	130	70	[40]	-	70
901008	30	30	30	20	-30	10	20	[0]	[0]	-20	10	-10
901009	50	50	40	40	40	50	60	70	80	100	(110)	60
901010	30	40	40	30	20	30	50	50	50	[60]	60	50
901011	30	40	50	50	70	140	110	70	70	50	[50]	50
901012	70	120	110	70	40	30	40	30	40	60	[70]	70
901013	150	150	140	130	120	160	150	90	50	40	40	[50]
901014	60	70	60	50	60	40	50	60	60	70	-	70
901015	70	70	80	80	70	60	30	(30)	[30]	40	50	50
901016	30	30	30	40	30	30	30	[20]	20	30	40	40
901017	20	20	20	40	40	30	70	90	[50]	40	50	70
901018	30	20	20	30	20	30	0	-20	0	[0]	0	20
901019	50	70	50	70	70	50	20	50	60	60	[40]	50
901020	40	60	60	50	40	40	50	20	30	-10	0	[-20]
901021	0	0	-10	10	20	30	40	60	70	70	-	70
901022	40	40	40	30	30	70	70	90	-	70	60	50
901023	30	20	30	30	10	0	-30	-30	-10	20	30	[40]
901024	-10	0	20	10	0	-10	-10	-20	-20	[0]	40	50
901025	30	40	40	40	40	60	50	40	30	0	30	[40]
901026	30	30	20	40	50	50	50	50	50	30	[30]	50
901027	20	0	10	30	20	30	40	30	30	+S	[-30]	-10
901028	-10	30	30	50	40	50	50	50	50	40	-	40
901029	0	-10	0	-10	30	40	30	30	-	-10	-60	-30
901030	20	30	20	0	-S	30	40	-S	80	70	[50]	30
901031	40	30	30	30	40	50	70	50	30	40	[40]	40

12	13	14	15	16	17	18	19	20	21	22	23	Means
60	80	70	30	50	40	60	40	30	40	40	OBS	50
60	60	60	50	50	50	70	70	60	50	40	30	—
50	50	40	40	40	40	40	30	40	40	30	20	38
20	20	20	30	20	30	30	30	40	20	20	20	23
0	30	40	50	40	50	40	30	30	30	40	30	35
40	50	50	40	10	20	20	30	20	30	10	10	38
60	60	60	60	50	60	60	50	50	60	30	30	57
70	30	40	80	OBS	20	40	60	50	50	50	50	27
60	50	60	70	70	80	60	50	50	40	40	40	57
60	60	50	60	50	50	40	30	50	50	40	40	45
50	50	40	40	50	30	40	50	30	30	50	60	54
50	60	70	60	60	50	50	50	40	50	90	100	62
[50]	50	50	50	40	40	40	40	30	30	20	50	73
70	80	80	70	70	70	60	60	70	60	80	90	66
60	60	70	60	60	50	50	40	60	60	50	40	56
50	60	60	50	60	50	40	60	50	40	30	20	39
70	70	60	50	60	40	50	50	50	60	50	40	50
30	20	30	30	40	50	50	30	40	20	30	70	25
40	50	70	80	70	70	60	60	60	30	30	30	54
-40	-50	-60	-40	-10	10	20	20	10	10	-10	-10	8
70	70	70	80	70	60	60	70	80	70	60	50	51
50	50	60	50	50	70	60	70	50	40	40	30	53
50	60	50	50	50	50	60	40	30	10	20	10	26
50	50	50	40	40	30	40	20	20	30	40	40	21
40	40	50	50	50	30	40	40	40	40	40	30	39
50	50	50	50	50	40	30	40	30	30	30	30	40
0	20	-10	0	10	0	-10	-40	0	-40	-80	0	1
40	50	40	40	50	50	50	40	20	0	-10	-20	34
-80	-60	-40	OBS	OBS	OBS	OBS	70	60	20	20	10	—
40	40	30	70	80	80	80	80	70	70	60	50	—
30	30	50	-60	-10	40	60	70	50	-20	-80	+S	28

Date	00	01	02	03	04	05	06	07	08	09	10	11
901101	OBS	OBS	OBS	OBS	OBS	OBS	-20	-S	OBS	+S	+S	OBS
901102	30	30	30	30	30	50	80	80	60	60	70	[60]
901103	30	30	40	40	50	60	70	80	60	60	[40]	OBS
901104	30	40	40	50	50	50	60	60	80	80	40	-
901105	60	60	40	30	40	50	60	[80]	(80)	80	60	50
901106	30	30	20	30	30	40	40	40	30	10	[10]	30
901107	20	30	30	20	30	40	40	-10	10	20	[30]	40
901108	0	10	10	20	30	40	-50	50	70	60	50	50
901109	10	0	20	20	30	40	40	50	[60]	60	50	50
901110	-10	-10	-10	-10	-10	-10	-10	0	0	[-10]	20	40
901111	-10	-10	-10	-10	-10	-10	-10	-10	-	-20	-20	-20
901112	0	10	20	30	30	30	30	[30]	30	20	10	20
901113	10	0	10	20	30	20	0	0	0	10	[20]	80
901114	-10	0	0	0	0	0	0	0	-10	-10	[-10]	-20
901115	20	20	30	30	30	30	30	30	30	30	40	50
901116	20	30	30	30	40	40	50	70	70	(60)	60	60
901117	30	30	30	40	50	50	60	80	120	80	90	80
901118	30	20	20	10	30	70	50	50	40	50	60	-
901119	10	20	20	20	30	30	40	70	80	(80)	(40)	+S
901120	10	10	-10	-30	-10	-10	-10	-20	-20	-20	0	10
901121	10	0	10	0	-10	-10	30	20	+S	-	-	-
901122	-20	-10	-10	-10	0	20	30	40	40	60	50	40
901123	30	30	40	60	70	110	80	60	80	[70]	70	40
901124	30	20	20	30	30	30	30	40	50	60	[50]	40
901125	70	80	80	90	90	110	80	10	10	30	-	50
901126	40	50	40	30	20	40	50	(50)	(40)	40	50	40
901127	-	-	-20	10	30	30	30	50	50	20	20	-
901128	30	20	20	30	40	40	50	60	70	40	30	[40]
901129	30	30	40	40	50	60	70	70	70	50	[60]	70
901130	30	30	40	20	30	40	40	40	30	[40]	(30)	20

12	13	14	15	16	17	18	19	20	21	22	23	Means
OBS	OBS	30	50	60	50	50	60	60	60	50	40	-
60	60	50	50	40	30	30	40	10	OBS	OBS	30	-
-S	-110	-90	-80	-30	30	-10	40	50	40	40	40	22
50	50	60	50	40	70	70	80	90	60	40	40	56
-S	OBS	OBS	+S	60	60	50	50	40	60	50	40	-
30	40	30	30	20	30	30	40	30	20	40	30	30
30	60	60	60	60	50	50	60	60	30	30	20	36
[50]	50	40	30	30	20	40	30	30	20	0	-10	32
50	50	40	40	30	10	0	0	0	0	0	-10	27
50	50	0	-10	-10	-10	-10	0	0	0	0	-10	1
-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	0	-11
30	30	30	40	30	30	30	30	40	30	20	10	25
60	50	40	40	30	20	20	10	10	10	0	0	20
-30	-20	0	10	10	10	20	30	40	30	30	20	4
40	50	30	40	30	30	20	30	20	30	20	20	30
70	70	60	60	50	40	30	20	30	20	20	20	43
60	60	50	50	40	40	60	40	50	70	80	30	57
50	60	70	80	70	30	-30	40	50	20	0	10	38
-20	0	-10	-10	10	40	70	30	40	20	20	0	-
0	-10	-10	-10	0	10	0	-10	-10	-20	-10	-10	-8
-	-	-	-	-	-	-30	-20	-20	-20	-20	-40	-
[30]	30	50	70	70	60	60	60	50	50	30	20	34
30	60	50	10	10	10	30	40	-S	-S	20	30	-
40	40	40	40	40	50	50	40	40	50	50	40	40
50	60	80	70	80	80	70	50	30	40	40	40	60
60	70	40	40	60	70	90	80	70	90	70	0	-
0	30	-10	-20	20	40	40	10	20	40	50	30	-
50	40	30	30	50	50	50	50	40	40	30	30	40
60	70	60	50	50	50	70	60	50	50	60	40	55
10	-20	40	20	40	50	40	20	-40	-40	-30	-10	19

Date	00	01	02	03	04	05	06	07	08	09	10	11
901201	-10	-10	-40	-30	10	30	40	[40]	[70]	80	70	70
901202	30	40	40	30	30	40	40	[60]	80	210	70	-
901203	0	-20	-	-	-	-	-	-	-	130	110	130
901204	90	70	90	70	50	40	50	60	50	50	[60]	80
901205	20	20	0	0	30	OBS	OBS	OBS	30	50	[30]	30
901206	0	10	-10	-10	-10	0	20	20	50	60	70	[70]
901207	20	20	20	10	20	30	60	70	50	20	[20]	-10
901208	-	-	-	-	-	-	-	-	-	-	-	-
901209	-	-	-	-	-	-	-	-	-180	-60	10	-20
901210	-	-	-	-	-	-	-	-	-	-	-	20
901211	10	20	30	30	30	30	50	70	100	70	-	90
901212	60	40	30	40	30	20	10	40	60	70	80	[80]
901213	70	60	60	50	40	40	40	60	60	[60]	60	60
901214	0	10	0	0	-10	-10	-20	10	20	30	[40]	40
901215	10	-10	-10	-10	0	0	0	0	-20	-40	-40	[-20]
901216	-40	-40	-40	-50	10	0	10	20	20	30	-	30
901217	10	0	20	30	20	40	20	-	20	10	20	30
901218	60	60	80	30	40	70	70	90	100	100	110	[100]
901219	20	10	-20	-10	-10	-30	-30	-10	-50	-40	[-10]	[-20]
901220	60	10	10	20	20	30	70	80	30	70	[60]	40
901221	30	40	30	30	30	70	90	10	30	20	[30]	40
901222	90	40	60	40	30	30	20	30	80	[100]	120	90
901223	-30	60	100	20	30	40	90	80	70	90	100	-
901224	-20	-10	0	10	0	10	-20	-30	-40	-40	-10	-
901225	-10	0	-10	0	0	10	10	-10	-10	-10	[-20]	[-10]
901226	-30	-30	-40	-60	-50	-40	-50	-60	-50	-50	[-70]	-40
901227	-80	-50	-30	-40	-20	-10	-10	0	20	30	[50]	70
901228	+S	140	160	130	80	60	50	60	80	160	[120]	90
901229	30	30	20	20	40	80	80	70	70	60	[50]	20
901230	70	90	80	80	100	90	100	90	100	100	-	110
901231	80	70	80	80	70	80	110	80	70	80	(70)	[70]

12	13	14	15	16	17	18	19	20	21	22	23	Means
60	50	60	70	80	80	70	60	50	40	40	40	43
160	-60	-200	-60	-60	30	60	80	100	90	70	-10	38
120	110	110	100	110	110	140	80	70	100	150	90	-
130	OBS	-30	70	50	30	20	40	50	40	30	20	53
20	20	20	20	50	40	40	40	60	70	40	20	-
70	70	80	70	70	60	60	70	50	40	30	20	40
10	0	-20	-S	+S	OBS	-70	-50	20	30	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-50	-20	-20	20	30	20	60	90	140	100	-	-	-
-10	30	70	40	-10	20	OBS	OBS	-10	0	-10	0	-
100	80	80	60	20	30	30	70	70	-10	-S	+S	-
70	90	80	80	70	30	-10	70	80	90	90	80	58
70	60	50	50	50	60	60	50	40	40	40	20	52
30	50	70	60	80	80	60	60	70	70	50	30	34
-20	-30	-50	-40	-30	-40	-40	-40	-30	-30	-20	-20	-22
30	40	30	30	30	20	30	20	10	10	-10	10	9
40	60	60	60	40	40	70	60	80	70	60	70	40
110	90	OBS	OBS	120	10	0	20	90	+S	+S	40	70
0	-20	-10	-30	0	10	70	100	90	80	20	70	8
20	40	40	40	80	60	70	40	30	40	30	20	42
30	-S	40	40	70	90	110	100	60	40	80	80	52
80	110	140	90	80	70	30	10	-60	-210	-20	-100	40
130	120	110	90	80	10	-20	-20	-30	-40	-40	-30	50
30	20	-10	30	-40	-30	-30	0	0	10	0	-10	-10
-20	-10	-20	-20	-10	-10	0	2	0	-30	-30	-30	-9
-40	-60	-40	-40	-60	-40	-80	-70	-60	-30	-60	-50	-50
90	100	80	70	80	90	-30	40	110	80	90	130	36
90	100	130	130	140	130	120	70	60	60	40	40	97
20	40	40	30	30	40	50	30	40	60	60	60	45
130	130	100	110	100	140	130	110	120	130	120	80	105
80	80	80	80	60	50	20	10	-10	-40	-20	-10	54

*Hourly means of the
1991*

Date	00	01	02	03	04	05	06	07	08	09	10	11
910101	-10	-20	-30	30	80	40	30	-	-	-	-	10
910102	50	40	40	40	50	60	70	[80]	(80)	100	100	100
910103	-10	10	0	10	30	40	70	100	100	110	[110]	120
910104	70	70	60	50	50	100	90	80	80	90	[110]	100
910105	30	10	-10	-10	10	10	20	40	40	40	[50]	50
910106	40	40	30	40	40	40	40	40	30	40	-	60
910107	60	40	20	30	20	30	10	-	-	-	-	-
910108	-	-	-	-	-	-	-	-	-	-	-	-
910109	-	-	-	-	-	-	-	-	-	-	-	-
910110	-	-	-	-	-	-	-	-	-	-	-	-
910111	-	-	-	-	-	-	-	-	-	-	-	-
910112	-	-	-	-	-	-	-	-	-	-	-	-
910113	-	-	-	-	-	-	-	-	-	-	-	-
910114	-	-	-	-	-	-	-	-	-	-	-	-
910115	-	-	-	-	-	-	-	-	-	-	-	-
910116	-	-	-	-	-	-	-	-	-	-	-	-
910117	-	-	-	-	-	-	-	-	-	-	-	-
910118	-	-	-	-	-	-	-	-	-	110	[130]	150
910119	60	50	40	40	50	50	70	80	80	70	90	[90]
910120	40	100	60	60	70	80	120	110	80	70	-	30
910121	0	20	20	-50	70	30	80	-	-	50	10	-10
910122	20	30	40	80	90	80	-	-	-	-	-	-
910123	30	30	40	30	30	40	30	30	60	60	[30]	60
910124	60	40	40	40	40	50	50	70	80	70	[80]	80
910125	30	20	0	0	30	30	70	80	100	[80]	[80]	70
910126	40	40	40	40	70	70	60	50	80	80	[90]	110
910127	20	10	0	10	10	0	-10	-20	-10	0	-	10
910128	50	70	70	50	40	30	10	[20]	(70)	80	90	90
910129	40	50	30	40	30	20	20	10	20	30	[40]	70
910130	50	50	50	60	40	40	20	-10	70	[70]	110	100
910131	80	70	60	50	60	70	80	90	100	70	[90]	100

potential gradient

12	13	14	15	16	17	18	19	20	21	22	23	Means
40	70	80	110	130	50	60	70	80	90	80	60	—
80	90	100	100	110	90	100	100	70	60	70	—50	72
90	100	80	50	80	100	80	90	110	100	80	70	72
120	120	90	100	40	60	80	80	70	80	40	30	78
50	60	50	80	80	60	50	50	40	20	30	40	37
80	80	30	30	40	80	70	90	80	70	70	80	54
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
160	170	170	170	190	150	120	100	90	90—	80	60	—
[80]	110	100	80	80	110	130	130	100	80	40	30	77
30	50	40	50	60	80	80	70	30	70	90	30	65
—10	0	30	0	—10	0	—10	0	0	—10	—10	10	—
—	—	90	80	80	80	90	90	70	40	50	40	—
80	90	100	100	80	100	140	100	90	100	90	80	68
80	70	50	60	50	60	30	10	40	30	30	30	52
60	50	50	50	60	50	30	60	30	60	60	50	50
110	130	140	160	90	60	60	50	50	40	30	20	71
20	40	50	50	50	50	40	40	50	50	50	50	24
80	70	50	80	90	80	60	60	70	60	40	40	60
60	70	60	60	60	50	60	60	70	80	60	40	47
100	80	80	90	110	120	170	170	150	130	120	120	87
110	120	110	110	100	90	100	90	90	80	80	70	87

Date	00	01	02	03	04	05	06	07	08	09	10	11
910201	50	50	30	30	30	30	30	40	80	70	[80]	80
910202	70	70	60	50	60	70	70	70	80	90	[100]	110
910203	50	60	70	80	80	70	70	80	100	-	90	90
910204	90	80	70	90	80	60	60	70	(80)	(70)	(70)	70
910205	70	70	60	80	70	50	60	50	50	60	[70]	30
910206	-60	-50	-40	-30	10	-10	30	30	50	50	[60]	70
910207	OBS	OBS	OBS	+S	OBS	-30	-20	-30	[50]	0	-40	-30
910208	-120	-60	-80	-100	-110	-60	-60	+S	OBS	70	[+S]	40
910209	40	40	30	20	30	10	10	-30	-30	-50	[30]	40
910210	60	50	-100	-40	-40	-70	-30	10	50	60	-	70
910211	40	30	50	-10	-10	-20	-30	[50]	-	60	80	70
910212	50	50	60	50	50	60	70	60	70	70	[90]	80
910213	30	30	20	10	0	10	10	20	40	50	[50]	50
910214	20	-60	30	50	50	30	20	40	[50]	60	50	50
910215	40	40	30	50	50	50	40	40	60	60	[50]	60
910216	50	-40	-60	-30	-40	-30	-10	50	60	70	70	[80]
910217	-30	-60	-70	-60	-40	-20	-10	30	40	60	-	70
910218	70	80	70	70	80	60	70	70	(80)	110	100	100
910219	40	40	50	50	60	30	70	70	70	[60]	[80]	80
910220	80	110	100	80	40	70	90	130	130	130	90	[100]
910221	-40	-80	-70	-30	20	20	0	60	50	60	[80]	80
910222	-10	-20	-50	10	40	30	0	-40	20	80	[80]	80
910223	50	40	40	30	40	40	60	70	80	80	70	80
910224	30	40	60	30	40	30	30	80	80	[80]	[80]	80
910225	30	40	110	120	150	200	170	-	-	140	80	50
910226	40	80	80	110	100	30	40	40	40	60	[70]	70
910227	70	50	40	40	40	30	40	90	100	80	[80]	70
910228	50	40	30	30	30	30	20	20	40	50	[50]	40

12	13	14	15	16	17	18	19	20	21	22	23	Means
80	90	90	50	40	80	80	80	40	50	50	50	58
100	100	100	100	80	80	80	80	90	90	70	60	80
100	100	90	70	70	60	80	110	90	90	90	100	82
80	90	80	70	60	100	90	110	150	80	70	60	—
70	70	100	90	90	100	90	60	70	50	—30	—60	59
80	70	90	110	90	60	10	—80	—170	—100	—130	—160	—1
0	—10	—10	—10	10	0	—20	20	—20	—90	—90	—180	—
110	40	—10	—10	10	—80	—20	50	0	60	40	40	—
50	60	70	70	40	0	—20	10	20	—10	—20	50	20
60	100	120	150	70	50	50	40	20	30	40	40]	34
60	60	70	60	80	70	80	90	110	110	90	50	54
70	50	30	30	30	20	50	40	20	10	30	30	49
60	50	60	60	70	60	70	80	70	50	50	40	43
50	60	70	70	60	70	80	70	70	70	60	60	49
60	60	70	70	60	60	70	60	60	60	60	60	55
[90]	70	90	80	90	OBS	OBS	OBS	—20	—20	—50	—30	—
70	60	70	70	70	10	—30	10	30	50	50	20	17
100	100	90	80	80	120	80	90	110	50	40	50	81
60	70	80	70	30	20	—10	—70	—90	70	70	80	45
[90]	100	90	100	90	80	80	90	70	70	—50	—60	79
100	70	70	50	60	50	40	30	—10	10	—10	—10	25
60	70	80	80	80	80	50	0	40	80	70	60	41
90	90	70	[70]	80	80	70	50	80	80	30	30	63
70	80	80	60	60	70	40	30	0	0	10	40	50
50	80	100	140	140	110	80	10	—40	—80	—50	10	—
—	90	90	100	90	120	80	70	70	70	50	40	71
70	70	70	70	60	80	90	100	80	70	70	60	68
20	10	20	30	10	20	10	0	10	0	0	—50	21

Date	00	01	02	03	04	05	06	07	08	09	10	11
910301	-30	-60	-60	-50	-40	-40	-20	-20	-40	[-10]	10	30
910302	0	-30	-10	-10	-20	-30	-20	-30	-40	-20	[-50]	-10
910303	30	30	30	30	20	30	30	20	-20	20	-	-30
910304	-10	0	20	-10	-20	-10	-20	[-30]	(-40)	-40	-20	-30
910305	-10	-30	-30	-40	-40	-30	-10	30	0	10	[30]	30
910306	60	50	60	60	70	70	30	20	30	[30]	[40]	20
910307	20	10	0	20	10	-10	10	120	10	-20	[0]	-10
910308	10	0	0	10	-10	-20	-40	-50	-40	[-20]	-10	10
910309	30	40	30	30	10	30	30	40	[40]	[50]	50	50
910310	40	50	50	50	80	80	100	70	[60]	50	40	50
910311	50	-10	-10	-10	0	0	-10	[-10]	-	10	-30	-20
910312	30	30	30	20	40	40	30	30	20	40	-	[50]
910313	-10	10	-10	30	20	20	-10	40	30	50	[70]	70
910314	10	10	10	10	20	20	30	40	40	30	[40]	50
910315	10	30	20	0	10	30	30	50	50	60	[60]	60
910316	30	30	30	30	30	30	40	50	60	[50]	40	50
910317	10	0	10	30	30	20	30	30	30	30	-	30
910318	30	20	20	30	20	0	30	40	-	50	40	60
910319	20	20	10	20	30	30	20	30	30	[20]	-20	-10
910320	-50	10	-10	-60	10	0	-10	-10	20	[50]	50	40
910321	-30	0	20	10	20	30	30	50	50	50	[70]	70
910322	40	40	30	10	30	30	40	40	40	50	50	[40]
910323	20	10	20	20	20	30	20	0	10	20	[10]	30
910324	-	-	-	-	-	-	-	-	-	-	50	80
910325	50	50	40	20	-40	-50	-10	0	10	-	10	10
910326	-10	10	OBS	OBS	+S	0	-10	20	20	30	[40]	60
910327	10	10	30	50	50	50	50	30	20	20	[50]	20
910328	40	50	40	30	20	30	20	50	50	60	[70]	-
910329	20	20	10	10	20	20	30	30	30	30	10	-30
910330	-20	-20	-10	-30	-50	-20	-20	-40	-40	-60	-20	-10
910331	30	0	0	0	30	40	40	30	50	-	50	60

12	13	14	15	16	17	18	19	20	21	22	23	Means
40	60	40	50	30	30	30	30	30	20	0	-10	1
-10	0	0	0	40	50	40	40	40	50	40	40	3
0	30	40	50	60	80	60	40	0	0	-20	-30	22
0	-30	-10	0	20	10	-10	10	-10	0	-10	-10	9
40	80	110	90	90	60	40	50	50	50	40	50	28
30	30	30	50	40	50	60	40	50	40	30	40	43
-10	0	20	30	10	30	70	90	50	10	30	10	16
20	10	10	-30	20	30	40	40	50	40	10	20	4
40	40	40	30	50	30	30	20	40	40	30	20	35
70	70	60	40	30	0	0	20	30	10	-10	20	44
-10	20	10	20	40	50	80	60	60	70	80	70	22
50	50	50	50	50	50	50	50	50	30	40	30	38
70	70	60	60	50	50	50	50	40	30	20	10	36
50	50	50	50	50	40	40	30	20	30	30	-10	31
50	40	40	40	40	50	50	50	40	40	30	20	38
60	70	70	60	50	40	30	40	40	40	30	30	43
40	40	40	30	30	40	50	30	40	30	30	30	30
70	60	50	50	50	50	50	40	30	40	40	30	39
-20	-10	-10	0	0	-30	-30	-20	-20	-30	-40	-50	-3
70	60	70	70	60	50	40	40	40	40	40	30	27
70	70	80	80	50	50	50	60	60	60	50	40	45
30	30	40	40	50	50	40	40	30	40	40	30	38
60	70	80	80	70	60	40	70	60	40	50	-	39
70	70	80	80	70	50	50	40	40	50	40	50	-
10	10	10	0	-10	-20	-30	-40	-	-60	-10	-10	-3
40	30	40	40	40	30	30	40	30	50	20	-10	-
20	30	50	-10	-100	20	30	30	40	50	50	40	27
30	30	40	50	50	50	50	50	40	30	20	30	40
-40	-10	0	10	30	30	0	-10	10	0	0	-20	8
[-40]	20	40	50	40	40	50	50	40	30	40	40	1
50	60	60	50	50	40	40	40	30	40	40	50	38

Date	00	01	02	03	04	05	06	07	08	09	10	11
910401	30	30	40	40	50	50	60	70	70	[80]	80	80
910402	20	30	10	10	30	40	(50)	(40)	40	50	50	40
910403	30	20	0	-20	-10	-10	10	-10	-20	-10	30	70
910404	10	-40	-60	-20	-50	10	20	30	40	[40]	40	40
910405	10	-10	10	20	40	30	30	50	60	[50]	50	50
910406	OBS	30	30	20	30	30	30	50	50	30	[40]	30
910407	20	20	20	30	20	30	30	40	40	[40]	[50]	60
910408	50	30	40	30	40	40	30	-	[40]	40	40	40
910409	30	30	30	30	30	40	50	50	40	[30]	30	30
910410	30	30	30	30	40	50	70	70	-	50	[50]	[50]
910411	30	20	20	20	10	10	30	40	60	[60]	50	50
910412	-20	-20	-30	-10	-10	10	30	40	50	[50]	50	50
910413	OBS	60	10	10	20	20	30	30	30	[40]	50	50
910414	20	10	20	20	20	20	30	30	-	50	50	OBS
910415	30	20	30	30	30	40	[40]	(40)	60	50	50	60
910416	30	20	20	20	20	20	30	40	[40]	40	40	40
910417	0	-10	+S	OBS	OBS	OBS	OBS	OBS	0	0	-10	0
910418	0	20	30	40	40	40	-20	-50	140	[80]	-20	30
910419	-10	-10	-30	-20	-20	-20	-10	-50	[80]	100	80	60
910420	20	20	20	30	20	30	[40]	[40]	40	40	30	20
910421	20	20	20	20	20	30	40	60	60	-	50	70
910422	30	30	30	20	20	30	[30]	(30)	30	0	20	40
910423	20	30	40	40	30	40	50	50	40	[40]	30	20
910424	20	20	20	10	-20	-10	-10	[10]	[10]	20	30	40
910425	-10	10	10	0	0	0	-30	-10	[20]	70	40	80
910426	0	-10	0	0	10	10	10	[-10]	-30	10	30	40
910427	30	30	30	20	20	40	60	50	40	[50]	40	40
910428	0	-10	20	40	30	40	80	60	(50)	50	60	70
910429	20	20	20	20	30	30	[30]	(30)	40	50	50	50
910430	10	10	10	30	30	40	50	[40]	50	50	50	50

12	13	14	15	16	17	18	19	20	21	22	23	Means
80	70	70	80	70	40	50	50	40	30	20	20	54
40	40	40	40	50	40	30	0	0	-10	0	30	-
80	60	20	40	40	50	50	70	30	0	-50	-20	19
50	60	50	50	40	50	40	30	10	10	-10	-10	18
30	40	50	60	60	50	50	50	40	40	40	40	39
40	60	60	40	40	40	40	40	30	30	30	20	37
70	70	70	70	80	80	60	60	60	50	40	40	48
30	50	30	50	50	50	50	50	50	40	30	30	40
30	40	50	30	30	OBS	30	40	40	40	30	30	35
50	40	50	60	80	50	70	60	60	70	60	60	53
50	60	50	50	40	10	30	10	30	-10	-30	-20	28
60	-10	OBS	OBS	70	40	40	40	50	30	20	30	-
-10	OBS	+S	40	30	40	40	40	40	30	30	20	-
+S	50	30	40	30	40	50	50	30	30	20	20	-
60	50	50	70	60	50	40	40	50	40	30	30	44
30	30	30	30	30	40	40	70	0	-50	-10	40	27
10	10	10	20	20	30	20	-10	-10	0	-20	+S	-
0	-30	0	-10	-10	-10	-20	-10	-10	-10	-10	-20	8
50	50	30	40	40	50	50	50	40	30	30	20	26
OBS	+S	+S	OBS	40	30	30	OBS	-S	30	20	30	-
70	60	60	50	50	50	40	40	40	40	30	30	42
30	+S	30	30	30	30	40	40	40	30	40	30	-
40	50	50	40	40	60	70	60	40	40	40	30	41
60	OBS	OBS	70	20	10	0	-10	-10	-20	-40	-40	-
70	50	60	60	50	40	30	40	20	10	10	10	26
50	40	40	50	40	40	60	50	40	40	30	30	24
40	50	30	30	40	40	30	30	40	30	40	20	36
70	50	40	30	30	30	20	30	40	40	30	20	38
50	50	50	40	30	+S	60	40	30	20	10	10	-
40	40	30	40	30	30	30	30	20	30	20	30	33

Date	00	01	02	03	04	05	06	07	08	09	10	11
910501	30	20	30	40	40	40	50	[60]	50	50	40	40
910502	20	20	10	10	30	30	70	[60]	[50]	30	(40)	-
910503	30	40	+S	-20	-50	30	30	40	40	[20]	OBS	-100
910504	20	0	20	10	20	-10	-10	50	[60]	50	40	30
910505	30	30	30	30	40	40	40	-	40	40	40	40
910506	30	30	20	30	20	30	30	(30)	(40)	40	20	30
910507	30	30	30	20	20	30	40	40	[50]	50	40	50
910508	60	40	40	40	40	50	[60]	60	60	50	40	40
910509	0	10	0	0	-10	0	10	10	30	30	40	[40]
910510	20	10	-10	+S	-30	30	50	[20]	-30	-S	+S	40
910511	OBS	OBS	OBS	OBS	OBS	-80	-20	10	20	20	[40]	70
910512	30	20	30	30	30	40	40	-	80	80	80	60
910513	-10	0	-10	-10	0	-10	-10	-	10	(10)	30	30
910514	10	10	10	10	20	30	30	40	[50]	60	50	50
910515	-20	-10	-20	-10	-10	10	20	40	50	[50]	50	40
910516	30	40	40	40	40	(50)	-	-	(60)	60	60	70
910517	-50	-20	0	OBS	-S	OBS	-S	-20	-10	[-20]	0	-10
910518	0	10	0	0	10	-10	[-10]	-20	-30	-40	-20	-30
910519	-30	-20	0	20	-30	-20	-	-	-	-	-	-
910520	50	50	40	50	60	70	{80}	(80)	80	60	50	40
910521	30	20	10	-30	10	10	30	30	[20]	[30]	30	40
910522	30	20	20	30	20	20	20	[30]	40	30	40	30
910523	OBS	OBS	30	40	30	40	50	50	50	50	[50]	50
910524	30	30	40	30	40	40	50	60	50	[-S]	20	-
910525	30	30	30	30	40	40	50	40	30	40	-	-
910526	-	-	-	-	-	-	-	-	-	-	-	30
910527	OBS	OBS	OBS	-20	10	30	[30]	(50)	50	40	30	40
910528	40	40	30	30	40	-	-	-	-	-	-	-
910529	30	40	30	40	50	60	[60]	70	70	70	70	70
910530	30	30	40	40	50	40	40	30	40	60	[50]	30
910531	30	20	10	20	20	10	30	40	(50)	40	40	40

12	13	14	15	16	17	18	19	20	21	22	23	Means
50	+S	OBS	OBS	+S	-S	-10	OBS	-40	20	10	0	-
-S	50	-S	50	40	50	50	50	40	40	40	40	-
-80	-70	-60	-40	-30	-50	-10	-10	0	-10	10	OBS	-
30	40	40	50	50	60	60	50	40	40	30	30	33
40	40	40	40	50	50	50	50	40	40	30	30	39
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60	60	50	50	60	50	50	40	40	40	30	60	43
40	50	50	50	50	40	40	40	30	20	10	0	42
50	40	30	40	30	20	20	30	40	30	30	20	23
10	30	40	10	20	30	20	10	20	+S	OBS	20	-
40	50	40	40	40	40	40	40	40	40	50	40	-
50	30	20	20	20	30	40	40	10	0	-10	-10	33
60	60	40	40	390	40	40	30	20	20	10	10	-
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-10	-10	-10	-10	0	-10	10	0	10	10	10	0	-
0	10	20	-10	-60	-90	-20	-20	-70	-30	-20	-30	19
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30	40	40	40	40	30	40	30	30	20	+S	-30	28
50	50	40	40	40	50	50	OBS	+S	20	10	OBS	-
-	-	+S	OBS	OBS	OBS	30	20	30	20	30	30	-
-	-	-	-	-	-	-	-	-	-	-	-	-
40	OBS	40	30	0	OBS	30	30	30	30	30	-30	-
50	40	40	40	40	40	40	40	30	30	40	40	-
-	40	50	40	40	30	50	50	70	70	60	40	-
60	60	70	70	60	60	70	60	40	40	30	30	55
50	40	40	40	30	30	30	30	40	40	30	30	38
30	40	30	30	30	20	20	30	20	10	0	0	24

Date	00	01	02	03	04	05	06	07	08	09	10	11
910601	0	0	0	0	0	10	20	20	30	[30]	30	30
910602	-	-	-	-	-	-	-	(30)	40	[40]	[50]	50
910603	30	30	20	30	10	0	-10	(10)	10	(30)	(-30)	80
910604	20	20	10	20	20	50	50	OBS	30	[-30]	0	20
910605	10	10	10	10	20	30	50	90	[70]	60	50	40
910606	10	20	10	(10)	30	30	40	40	40	[20]	0	10
910607	20	20	20	10	10	10	30	[60]	40	40	40	20
910608	20	20	30	30	30	20	10	[30]	30	30	30	30
910609	10	0	0	0	0	10	30	[40]	-	40	50	40
910610	10	10	10	10	10	10	20	(20)	[40]	40	40	30
910611	50	OBS	-10	0	0	0	80	40	80	[40]	30	30
910612	10	10	20	20	20	30	30	40	[40]	40	30	30
910613	10	10	0	0	10	30	30	[30]	[40]	50	50	50
910614	10	0	0	0	10	0	+S	-20	+S	[+S]	-20	-50
910615	-10	0	-10	-10	30	0	0	[10]	30	30	30	20
910616	-10	-10	0	10	10	0	10	-	40	50	50	60
910617	30	30	20	30	40	30	(30)	(40)	50	50	40	40
910618	20	10	10	OBS	30	OBS	-S	[30]	40	40	30	20
910619	30	30	30	20	10	10	OBS	OBS	OBS	[OBS]	-30	-40
910620	20	20	10	10	10	50	100	[90]	80	70	40	40
910621	40	-30	0	40	40	60	50	[40]	40	40	40	40
910622	30	10	10	20	30	40	[40]	40	40	50	60	60
910623	10	30	20	20	30	30	30	-	50	60	70	60
910624	20	30	30	30	30	40	[40]	-	40	30	40	50
910625	0	20	10	-10	10	20	30	20	70	30	[60]	50
910626	-50	-20	10	10	-10	20	(-10)	(-10)	-10	0	10	20
910627	0	10	0	10	10	20	[90]	120	70	70	50	50
910628	OBS	-	-	-	-	-	-	-	-	-	-	-
910629	-	-	-	-	-	-	-	-	-	-	30	30
910630	30	20	30	40	50	50	40	40	(60)	-	50	50

12	13	14	15	16	17	18	19	20	21	22	23	Means
30	40	40	40	30	80	40	20	(40)	-	0	0	-
60	60	60	50	40	30	30	30	30	30	30	30	-
+S	OBS	OBS	-30	0	-30	20	20	0	0	10	10	-
20	-20	-40	-10	-20	-20	30	20	30	30	40	30	13
40	40	30	30	10	10	20	20	10	10	10	0	28
10	20	30	30	20	20	30	20	10	10	20	0	20
30	30	30	20	20	30	30	30	30	20	10	10	25
30	40	40	40	20	30	20	20	30	10	10	10	25
30	40	50	50	50	40	30	30	30	20	10	10	27
30	40	40	40	30	10	0	-10	OBS	30	10	OBS	-
20	30	-S	-S	30	20	30	20	10	10	10	10	25
40	40	40	40	30	30	30	30	20	10	0	0	26
40	40	40	30	30	20	10	10	10	-10	10	10	23
-20	-10	-10	-20	-20	0	-10	-30	-10	-10	-20	-10	-
20	30	30	40	40	40	20	20	20	10	0	-10	16
60	60	60	50	40	40	50	60	50	50	40	30	35
30	20	40	50	50	50	50	40	40	40	40	30	-
120	80	60	50	50	40	70	60	50	50	40	30	44
-20	-30	30	-20	-10	0	30	50	50	20	10	10	9
40	40	40	40	40	40	40	40	50	50	40	40	43
50	80	60	60	60	60	70	70	60	60	40	30	46
60	70	70	70	60	50	40	50	50	40	30	10	43
60	60	60	70	60	50	40	30	30	30	30	30	42
40	+S	0	20	30	10	30	30	40	20	10	10	28
60	60	50	50	50	40	30	30	30	10	-40	-40	27
OBS	+S	OBS	OBS	OBS	-S	30	-10	-10	-20	20	0	-
40	50	30	30	+S	30	-20	-80	0	20	-70	OBS	-
-	-	-	-	-	-	-	-	-	-	-	-	-
20	20	30	30	30	30	40	30	20	30	30	30	-
50	50	50	50	50	50	50	50	50	40	40	30	-

Date	00	01	02	03	04	05	06	07	08	09	10	11
910701	20	30	10	10	(20)	—	—	—	—	—	50	50
910702	50	50	40	30	30	40	[40]	[50]	50	50	50	50
910703	40	30	20	20	30	40	50	[40]	(30)	30	30	30
910704	0	0	0	0	10	—	—	—	—	—	—	—
910705	10	0	20	20	30	30	30	[40]	40	60	60	60
910706	30	20	30	30	30	30	40	[50]	60	60	70	60
910707	20	20	20	10	20	30	30	30	30	30	—	30
910708	10	0	10	10	20	30	30	—	[30]	30	30	40
910709	0	0	0	0	0	0	10	20	20	30	[40]	70
910710	0	0	10	10	10	10	20	30	40	50	[50]	[60]
910711	10	10	10	10	10	20	10	20	[30]	[40]	40	30
910712	10	20	20	20	30	30	40	[40]	50	50	60	60
910713	10	—10	10	10	10	20	20	30	30	[40]	[40]	70
910714	0	10	10	0	0	30	50	70	50	20	—	[40]
910715	0	—10	—10	0	0	0	(10)	[20]	30	40	40	50
910716	10	10	10	0	10	10	30	30	40	50	—	40
910717	40	40	50	40	40	40	40	50	50	OBS	30	40
910718	—10	0	0	—10	0	20	40	80	100	[100]	80	50
910719	0	—10	0	10	10	20	[30]	40	40	50	50	60
910720	10	10	10	10	30	30	30	100	[30]	50	20	20
910721	OBS	10	20	30	20	50	100	—	70	+S	OBS	OBS
910722	30	30	30	30	40	50	[80]	—	[110]	90	60	70
910723	20	10	20	20	20	30	30	40	40	40	40	[40]
910724	20	20	10	10	10	30	30	30	30	[40]	40	40
910725	0	0	0	—10	—10	0	—10	20	[30]	40	100	100
910726	30	30	30	20	20	30	10	20	[40]	10	20	(50)
910727	10	20	30	30	20	30	[30]	50	50	40	30	30
910728	20	50	0	—10	—20	0	0	20	20	20	10	20
910729	30	40	40	30	40	+S	OBS	10	50	—	100	80
910730	10	20	10	10	20	40	110	80	100	100	80	[60]
910731	20	30	30	30	30	20	[30]	30	40	40	50	60

12	13	14	15	16	17	18	19	20	21	22	23	Means
50	50	50	50	50	50	70	60	70	100	70	60	—
50	50	50	40	50	50	50	50	50	50	60	40	47
30	30	30	20	20	10	10	20	20	10	—10	0	24
80	OBS	OBS	30	20	0	10	10	10	30	20	20	—
50	0	OBS	+S	80	70	80	60	50	50	30	30	—
60	50	50	60	60	60	50	40	30	30	30	20	44
30	40	40	40	30	30	20	30	20	10	10	10	25
40	50	50	50	30	10	10	0	0	0	0	0	21
0	40	30	40	+S	40	50	50	30	20	10	10	22
60	70	70	70	50	40	30	20	20	30	20	20	33
40	50	50	50	50	40	40	30	30	20	10	10	28
70	70	70	50	30	30	30	20	10	10	20	10	35
OBS	OBS	OBS	OBS	OBS	—S	—S	—20	0	30	10	0	—
30	OBS	OBS	OBS	OBS	OBS	+S	OBS	OBS	20	0	0	—
30	50	50	40	40	40	40	30	20	30	30	20	25
40	50	50	60	40	30	30	40	40	30	30	30	31
50	50	50	50	OBS	(OBS)	—	—	—	—	—	—10	—
50	40	40	30	30	40	40	40	30	30	20	10	35
60	80	70	50	40	30	20	20	30	40	20	20	33
20	30	30	70	OBS	30	10	10	20	10	—30	OBS	—
OBS	OBS	OBS	—S	OBS	+S	10	10	30	40	40	50	—
60	40	60	70	60	50	50	40	30	20	20	30	50
30	40	40	40	40	50	40	30	20	30	40	30	33
40	100	+S	40	+S	OBS	OBS	0	0	(0)	(—10)	(—10)	—
40	80	80	80	80	OBS	OBS	OBS	40	30	10	30	—
50	40	50	40	30	30	30	20	30	50	40	30	30
—S	0	30	30	20	20	—20	10	OBS	—S	10	10	—
20	50	50	60	50	60	80	90	50	40	40	40	32
70	50	50	40	OBS	OBS	10	20	20	30	20	10	—
60	50	50	50	40	20	20	20	10	20	20	10	42
60	60	60	70	60	60	60	50	50	60	40	30	45

Date	00	01	02	03	04	05	06	07	08	09	10	11
910801	30	20	20	30	30	40	30	[40]	40	40	OBS	-S
910802	0	-10	-10	0	10	10	OBS	-10	20	0	10	-10
910803	-10	-10	-10	-10	-10	10	0	20	30	10	20	30
910804	0	10	20	10	20	30	30	40	-	30	50	70
910805	30	30	20	30	40	40	[40]	[40]	30	30	20	30
910806	30	20	30	20	30	40	40	40	[60]	70	60	70
910807	10	0	10	20	40	40	70	[50]	40	40	40	40
910808	20	20	30	30	30	40	40	50	50	[40]	40	40
910809	20	20	10	10	20	40	50	[40]	40	50	60	60
910810	-	-	-	-	-	-	-	80	[80]	[70]	60	60
910811	20	20	20	10	10	10	30	30	30	[30]	[40]	40
910812	30	40	30	30	40	40	(50)	(30)	20	30	40	40
910813	30	30	70	40	60	60	80	[130]	80	80	40	20
910814	30	30	40	OBS	OBS	70	70	60	[60]	60	60	70
910815	20	10	20	30	20	(30)	-	(30)	40	[50]	50	50
910816	0	10	0	0	10	20	40	40	30	50	[60]	70
910817	30	20	20	30	30	30	40	30	30	[40]	30	30
910818	10	20	30	30	20	+S	OBS	-	OBS	OBS	10	OBS
910819	10	20	10	10	30	40	60	(100)	(60)	60	40	40
910820	30	20	30	20	10	20	30	30	40	40	[30]	30
910821	20	10	-10	10	20	30	40	[40]	50	40	40	40
910822	20	30	30	20	10	30	40	[40]	50	50	60	50
910823	20	20	20	20	20	10	30	10	10	[10]	30	40
910824	10	0	0	10	10	20	40	20	30	30	30	[40]
910825	10	20	30	20	10	20	50	60	80	70	-	70
910826	30	20	30	30	40	40	70	(50)	[40]	60	70	60
910827	20	20	20	30	40	50	40	50	[50]	[60]	60	40
910828	30	30	20	30	30	30	60	60	[60]	60	80	80
910829	30	20	30	40	40	60	70	[80]	[80]	60	50	70
910830	30	30	30	40	30	40	40	50	[60]	70	70	70
910831	20	10	10	10	10	20	30	50	80	110	120	[80]

12	13	14	15	16	17	18	19	20	21	22	23	Means
30	70	60	30	20	10	20	30	500	40	20	10	—
20	10	20	10	OBS	-20	-20	30	-10	-10	-10	-10	1
[40]	60	40	50	40	40	30	40	40	-S	40	20	22
40	40	50	40	30	40	30	20	20	20	30	30	30
30	30	40	40	40	40	40	50	40	40	40	30	35
80	90	80	80	70	50	40	40	40	30	20	10	48
40	40	40	50	40	40	50	40	30	40	40	30	37
40	50	40	30	30	40	30	40	30	30	20	10	34
—	—	—	—	—	—	—	—	—	—	—	—	—
50	50	60	60	70	70	50	40	20	10	20	30	—
40	40	50	40	30	40	—	20	30	40	30	30	30
40	40	0	OBS	20	20	10	-S	+S	OBS	+S	OBS	—
50	60	70	60	40	30	30	20	10	10	20	20	48
80	80	80	40	30	30	30	(10)	—	—	(10)	20	—
40	50	30	30	40	40	40	30	30	20	20	10	—
60	70	60	50	40	30	20	20	20	10	20	20	31
30	30	40	30	20	10	20	0	30	30	10	20	26
OBS	0	60	OBS	-S	10	10	10	20	20	10	10	—
40	50	50	50	40	30	40	60	40	40	40	40	—
30	40	40	40	30	30	30	30	30	40	40	40	31
50	50	60	50	30	30	30	40	30	20	30	30	33
40	40	50	50	40	40	40	30	40	30	20	20	36
30	40	50	50	50	40	30	30	20	10	10	10	25
40	40	40	40	40	30	-S	OBS	+S	10	10	10	—
70	70	70	80	60	50	40	30	30	40	40	40	46
60	50	50	50	60	50	60	70	50	50	40	30	48
20	50	40	50	50	40	50	50	60	40	40	40	42
70	70	OBS	OBS	+S	OBS	-S	10	30	30	30	30	—
60	50	60	50	50	50	50	50	50	40	40	30	50
70	60	60	50	50	30	40	40	40	30	30	30	45
50	50	50	50	50	40	40	50	60	50	40	40	47

Date	00	01	02	03	04	05	06	07	08	09	10	11
910901	30	30	30	30	30	30	60	50	–	30	30	40
910902	0	0	–10	0	0	0	10	–	30	30	60	50
910903	30	20	30	20	30	30	50	30	50	50	[40]	30
910904	10	20	20	20	20	30	30	50	[60]	[60]	60	60
910905	10	10	10	20	20	390	40	[40]	40	40	60	50
910906	30	30	30	20	20	20	30	60	[40]	20	10	30
910907	20	30	10	30	30	40	40	30	30	10	10	30
910908	OBS	10	20	10	10	20	20	30	40	50	–	30
910909	20	20	30	30	30	30	[30]	–	(40)	40	30	40
910910	10	10	0	20	20	30	40	30	50	[50]	50	50
910911	30	30	30	20	10	20	30	30	30	50	[60]	50
910912	40	30	20	30	20	30	70	70	30	0	[30]	10
910913	30	10	30	50	40	30	40	40	40	80	70	20
910914	30	40	30	20	30	30	30	30	30	[40]	30	30
910915	20	30	OBS	OBS	–S	30	20	+S	+S	–	30	40
910916	10	20	10	10	10	10	[20]	[80]	(40)	70	50	40
910917	0	10	20	10	10	30	40	60	70	40	[40]	0
910918	20	20	30	30	20	30	50	70	50	[30]	50	40
910919	30	40	30	30	30	40	40	[40]	(50)	–	–	–
910920	20	30	30	40	40	40	100	[80]	50	40	30	40
910921	10	30	50	40	60	50	[50]	[140]	120	80	80	60
910922	0	10	0	20	40	40	[50]	[60]	50	30	40	40
910923	40	50	30	20	30	50	[30]	(20)	–S	OBS	–30	OBS
910924	30	30	20	30	20	30	40	70	60	[60]	50	60
910925	20	0	10	30	40	40	40	–	50	40	40	50
910926	10	0	10	10	20	20	30	30	10	[30]	[40]	50
910927	40	20	10	20	30	40	50	40	30	[40]	50	50
910928	–S	OBS	OBS	OBS	OBS	OBS	20	30	40	[50]	40	40
910929	20	20	30	30	40	40	50	–	30	30	40	40
910930	30	30	30	30	30	30	30	[30]	(30)	30	40	40

12	13	14	15	16	17	18	19	20	21	22	23	Means
40	40	30	30	30	20	20	20	10	0	0	0	27
30	40	40	40	40	30	30	30	30	20	30	30	24
40	40	30	30	30	20	20	30	20	20	10	20	30
50	30	30	30	30	30	30	30	20	20	10	10	32
60	60	70	60	40	30	30	20	20	30	20	30	35
40	30	20	30	30	30	30	30	30	40	30	20	29
30	30	30	30	30	20	30	30	30	30	10	-S	27
30	30	30	30	30	30	0	30	30	10	20	20	-
30	40	40	30	20	20	20	20	20	30	20	10	-
60	60	50	40	50	40	40	40	40	40	40	40	38
50	40	40	-S	-S	40	30	50	OBS	OBS	30	50	-
10	40	50	40	30	50	30	30	30	30	20	20	34
30	50	60	30	40	50	50	50	40	40	30	40	41
30	30	40	40	40	30	20	30	40	40	40	30	33
40	50	60	60	70	+S	OBS	OBS	OBS	0	0	0	-
80	50	40	40	30	30	30	30	20	-10	0	0	-
30	20	40	40	30	30	30	30	OBS	0	0	20	26
40	40	30	50	60	40	50	50	50	50	40	40	41
70	80	60	50	30	30	40	40	30	30	20	30	40
60	50	40	OBS	OBS	-10	-20	-10	-20	-20	-20	-10	-
60	50	40	40	30	20	20	10	10	20	0	0	45
40	40	50	50	60	40	40	40	50	60	40	30	38
30	70	-S	20	40	60	50	50	40	40	40	30	-
50	50	(60)	(70)	60	30	30	20	20	30	40	30	-
50	40	50	40	30	30	0	-10	-10	-20	0	0	24
40	40	30	30	10	0	0	20	20	30	30	30	23
40	40	50	40	30	30	30	30	20	20	OBS	OBS	-
40	40	40	40	30	30	30	40	40	30	20	10	-
40	40	50	40	40	50	70	40	40	30	10	20	37
40	40	30	40	40	OBS	OBS	-10	0	OBS	20	0	-

Date	00	01	02	03	04	05	06	07	08	09	10	11
911001	10	0	10	+S	OBS	OBS	-S	-20	70	0	0	20
911002	30	20	-S	20	30	30	40	+S	-S	OBS	[40]	50
911003	50	50	60	50	50	60	60	60	[80]	70	50	60
911004	20	20	30	40	40	50	50	60	50	60	60	[80]
911005	30	20	40	30	40	60	80	30	30	[40]	60	60
911006	30	30	30	30	20	30	30	20	20	30	-	40
911007	40	30	40	70	120	50	60	[70]	(50)	40	40	40
911008	50	40	40	50	50	50	70	80	[50]	50	40	20
911009	-40	OBS	10	20	30	20	20	[20]	10	30	40	30
911010	30	30	40	40	60	50	40	[40]	70	50	70	50
911011	40	40	50	40	40	50	20	[30]	30	20	30	-10
911012	10	10	-10	-40	0	-10	-10	-10	10	30	20	[40]
911013	40	40	40	40	40	40	40	30	30	30	30	(40)
911014	30	30	20	40	50	40	40	[50]	-	[60]	60	60
911015	30	30	30	10	20	0	0	30	30	60	50	50
911016	40	30	30	40	50	60	60	60	70	50	[40]	40
911017	20	40	100	40	50	70	80	120	[130]	[50]	70	60
911018	30	40	80	30	20	10	10	[0]	-90	-S	OBS	OBS
911019	20	20	20	20	10	20	30	20	30	30	[0]	30
911020	30	30	30	20	30	40	50	40	40	40	40	(50)
911021	30	20	20	30	30	40	30	(40)	(60)	60	60	80
911022	30	30	10	30	30	30	40	50	30	40	[50]	50
911023	40	30	30	30	30	30	30	30	30	30	[-10]	0
911024	40	20	20	30	30	40	50	60	70	50	[70]	70
911025	0	-10	-10	OBS	OBS	20	20	40	50	90	80	[60]
911026	50	50	50	50	50	60	60	60	50	50	[50]	50
911027	30	20	20	10	10	30	30	30	30	40	(40)	50
911028	40	40	40	40	50	50	60	50	[50]	-	60	70
911029	50	50	40	50	50	50	60	50	60	60	[50]	70
911030	30	20	20	30	30	40	30	20	-20	0	[20]	40
911031	20	20	10	10	20	20	20	30	20	[20]	20	30

12	13	14	15	16	17	18	19	20	21	22	23	Means
[40]	50	40	40	30	30	30	30	40	40	30	30	—
50	60	50	50	60	70	70	60	80	70	60	OBS	—
60	70	70	90	80	60	60	60	50	40	30	30	58
80	90	80	70	80	60	60	40	40	30	50	40	53
70	60	60	70	60	30	20	40	40	30	20	30	44
40	60	50	40	40	40	40	60	50	60	50	40	38
40	40	30	40	50	70	70	60	60	60	50	40	52
20	30	10	0	-20	0	30	20	40	-S	OBS	20	—
40	30	40	40	50	50	40	-30	20	30	30	40	25
50	60	50	60	50	50	70	80	80	80	60	50	55
-10	0	-10	10	-10	10	-10	-30	-60	-40	-20	10	9
[30]	20	20	50	50	50	50	10	30	40	50	50	20
[40]	30	30	40	40	40	50	50	40	40	40	30	38
60	60	50	40	30	30	20	30	40	30	50	40	42
[50]	60	60	40	-10	-40	10	30	20	30	30	40	28
40	30	10	10	10	20	20	0	20	30	30	35	35
60	60	60	60	60	60	80	70	80	90	120	70	71
+S	80	OBS	OBS	OBS	OBS	OBS	20	30	0	-S	-40	—
10	30	10	40	80	90	120	100	50	50	50	40	38
40	40	50	40	50	60	60	60	60	40	40	30	42
90	90	90	90	80	80	80	70	40	40	50	30	—
50	50	50	60	60	50	50	50	50	50	40	40	43
-10	20	40	50	50	50	50	50	40	40	30	30	31
+S	+S	50	60	20	40	40	20	-10	10	-60	-10	—
100	90	90	80	90	60	60	70	70	90	80	80	—
50	40	40	50	50	50	60	50	50	50	40	30	50
50	50	40	50	40	40	40	40	40	50	40	30	35
60	60	50	40	80	+S	70	70	70	70	80	70	—
70	70	70	70	60	70	60	40	30	30	30	40	53
40	40	50	40	50	50	30	20	20	20	30	20	28
30	40	30	30	50	50	30	40	30	30	30	20	27

Date	00	01	02	03	04	05	06	07	08	09	10	11
911101	20	20	20	20	20	20	0	-10	-10	20	[30]	30
911102	-40	-50	-40	-50	-50	-40	-40	-50	-40	[-10]	0	10
911103	20	20	30	30	40	30	20	10	0	0	-10	-
911104	-60	-40	-50	-80	-70	-80	-60	[-50]	-	10	20	10
911105	OBS	OBS	+S	20	30	30	30	40	30	[40]	50	40
911106	40	40	30	20	30	10	10	30	40	50	[40]	40
911107	30	40	30	40	40	40	50	50	50	50	[50]	50
911108	10	-10	20	20	30	30	50	40	70	80	90	100
911109	40	50	50	60	50	50	40	50	60	50	[50]	50
911110	20	30	20	30	30	30	40	50	40	50	[40]	-
911111	40	40	30	30	40	40	50	[50]	(60)	50	70	70
911112	30	50	50	40	40	60	70	70	70	60	[80]	70
911113	20	20	10	10	30	-10	10	20	30	40	[40]	40
911114	0	0	-10	0	0	30	30	20	30	[-10]	30	30
911115	40	30	30	40	40	50	50	50	40	50	[40]	40
911116	30	20	10	-90	-70	-100	-70	-20	-80	-60	0	[30]
911117	20	30	10	20	20	(30)	-	-	-	-	-	-
911118	10	20	30	40	40	40	50	50	-	50	60	60
911119	30	20	10	0	-10	20	30	40	[40]	60	20	60
911120	-80	-70	0	20	30	10	10	-60	[-S]	OBS	40	50
911121	120	20	10	60	70	110	90	[70]	50	50	+S	-S
911122	40	30	0	0	0	-40	-30	-	-	-70	0	40
911123	30	30	30	30	30	10	10	20	[30]	50	30	10
911124	30	30	60	50	50	50	50	70	[70]	50	30	0
911125	40	-20	-70	0	10	20	20	20	-	50	60	50
911126	50	40	50	60	60	50	30	30	[60]	40	30	40
911127	10	10	10	20	30	30	30	20	10	10	[0]	10
911128	20	30	20	30	20	30	30	[20]	20	20	30	40
911129	40	40	40	40	40	40	[40]	[60]	50	40	60	60
911130	20	30	30	30	20	30	20	30	[30]	20	0	10

12	13	14	15	16	17	18	19	20	21	22	23	Means
30	40	50	50	20	0	-10	-10	-30	-20	-20	-30	10
20	50	30	30	10	10	10	10	20	20	20	20	-6
10	30	20	0	-10	20	20	10	-20	-30	-40	-40	7
-10	-20	-50	-10	20	40	30	-80	+S	OBS	OBS	OBS	-
50	50	50	60	70	50	50	70	60	70	60	50	-
40	40	40	50	40	50	50	50	50	40	50	40	38
50	60	60	50	70	40	0	-10	-10	-10	0	10	35
70	70	80	80	70	80	80	70	50	70	60	50	55
50	70	70	40	50	+S	10	-20	-10	10	10	20	39
50	50	50	50	70	110	100	80	70	80	60	40	52
60	70	80	80	70	50	50	50	60	50	50	60	54
70	60	50	80	50	50	50	40	30	50	20	30	53
40	40	30	30	40	10	0	0	20	30	0	10	19
20	40	50	20	10	-S	OBS	+S	50	OBS	40	70	-
50	40	50	40	20	10	20	20	40	30	40	40	38
-50	-10	-40	-30	-30	-40	30	-10	20	-40	0	20	-4
-	+S	OBS	30	50	30	20	40	30	30	20	20	-
70	70	70	60	120	130	110	100	50	30	30	20	57
80	100	70	90	110	130	130	120	120	100	90	50	63
60	70	50	OBS	-20	-10	40	OBS	OBS	70	60	150	-
40	50	40	10	10	30	30	20	-10	-10	10	30	-
30	30	40	50	50	40	40	50	50	40	30	30	-
20	30	10	30	30	50	50	50	40	40	40	30	30
30	10	20	-50	20	20	20	-70	-30	10	20	0	23
50	70	80	80	80	80	90	40	40	70	70	60	43
40	30	30	40	30	20	50	40	30	30	30	20	39
20	30	20	20	20	30	40	40	40	60	30	30	24
50	40	50	30	40	60	60	70	70	50	50	40	38
60	50	50	60	60	50	50	40	40	40	30	30	46
30	30	30	30	30	30	30	40	40	30	30	20	27

Date	00	01	02	03	04	05	06	07	08	09	10	11
911201	20	20	30	40	30	40	40	30	[30]	50	40	60
911202	40	40	40	30	20	20	20	20	0	20	40	50
911203	10	10	20	20	30	30	30	[30]	50	(60)	(30)	40
911204	30	30	30	10	0	0	[20]	30	30	20	20	20
911205	40	30	40	40	30	30	40	[50]	60	40	20	-10
911206	OBS	-10	-20	-10	20	0	30	-S	40	50	40	+S
911207	-50	-60	-50	-80	-80	-70	-20	10	[50]	90	80	80
911208	+S	80	110	110	80	100	110	90	90	[100]	80	80
911209	-	-	-	-	-	-	-	-	-	60	80	80
911210	20	10	-10	-20	-60	10	40	[70]	70	90	100	120
911211	60	60	70	60	40	60	40	70	[60]	90	100	120
911212	70	70	80	40	70	130	+S	[110]	110	80	130	130
911213	170	120	150	70	80	100	90	[100]	160	110	120	110
911214	170	140	90	110	80	100	70	90	[120]	130	120	140
911215	90	80	60	60	50	70	80	50	[90]	90	70	70
911216	70	60	90	80	60	20	50	40	-	70	70	50
911217	60	90	50	30	0	40	20	[10]	20	-30	0	-30
911218	-80	-60	-40	-40	-20	-10	[-30]	-20	-30	-20	-30	-30
911219	50	40	40	40	50	50	[60]	70	70	70	80	80
911220	30	50	50	50	60	70	[70]	110	-S	OBS	-50	30
911221	60	50	50	50	50	50	50	70	[80]	[60]	60	60
911222	-40	-20	-10	-20	0	-20	-10	0	[30]	50	60	30
911223	-10	-10	-30	-10	10	20	10	-	10	20	30	60
911224	30	-S	-S	-20	20	30	30	70	OBS	30	+S	OBS
911225	-50	10	40	40	50	50	50	-S	[+S]	70	70	60
911226	50	50	70	40	30	20	40	40	[40]	50	50	50
911227	-40	0	40	40	30	50	40	[50]	[50]	60	50	-50
911228	20	+S	-10	0	-10	0	OBS	50	50	[50]	50	40
911229	50	60	80	70	60	60	50	60	60	[70]	70	110
911230	70	60	50	50	40	40	50	30	-	50	50	50
911231	50	40	40	40	30	30	30	40	[40]	40	10	20

12	13	14	15	16	17	18	19	20	21	22	23	Means
90	70	50	60	50	60	50	40	40	30	40	40	44
60	60	50	30	30	30	10	30	30	10	20	10	31
50	70	70	40	40	50	60	60	50	50	40	40	—
30	30	30	-10	-10	20	30	40	40	40	40	40	23
-20	-20	-30	-10	-10	0	30	40	40	40	50	40	23
OBS	OBS	80	50	-20	60	50	50	60	70	30	-40	—
70	40	50	20	OBS	OBS	OBS	-20	OBS	OBS	OBS	-S	—
80	90	100	100	90	110	100	80	70	—	—	—	—
90	90	70	60	90	120	100	80	90	90	40	20	—
140	160	140	120	110	100	120	120	80	60	40	60	70
130	120	130	160	150	170	130	30	60	80	80	80	90
130	140	150	190	110	-100	+S	+S	130	+S	150	170	—
100	150	150	100	140	+S	130	120	100	120	110	140	119
140	140	80	90	140	140	140	120	120	100	90	100	115
90	80	60	80	90	120	120	120	120	80	90	70	83
-10	70	70	80	60	10	40	90	110	70	30	60	58
40	-30	-40	-70	-30	-10	50	50	-50	-40	-40	-50	2
-30	0	60	50	10	40	60	60	50	50	50	40	1
80	30	30	60	-30	+S	-20	0	-10	-40	-50	-10	32
60	80	70	60	70	90	90	80	80	100	90	80	—
50	60	60	+S	80	70	90	100	80	60	0	-70	55
40	70	60	110	80	50	50	70	120	70	20	10	33
70	110	90	30	20	20	20	40	40	50	+S	110	—
-10	80	50	60	50	50	50	50	50	40	OBS	OBS	—
60	70	70	60	50	60	40	50	50	50	50	40	—
50	50	50	50	30	30	30	-20	-10	40	10	30	36
-90	-30	-20	-10	-20	10	0	10	0	10	20	30	10
50	70	50	60	70	60	70	90	100	90	80	70	—
120	130	120	100	90	110	120	130	120	120	100	70	89
50	50	60	60	50	60	60	50	40	40	40	40	50
20	20	30	30	30	30	70	70	70	80	70	60	39

2. Hourly means of the quantities of positive and negative
1990

Month		00	01	02	03	04	05	06	07	08	09	10	11
9001	+	0	0	0	0	0	0	0	0	0	0	2	15
9001	-	0	0	0	0	0	0	0	0	0	0	1	19
9002	+	0	0	7	3	0	0	0	0	8	1	0	0
9002	-	0	0	0	0	0	0	4	0	3	2	0	0
9003	+	1	7	9	2	0	13	2	9	0	0	0	0
9003	-	10	9	11	3	0	9	5	2	1	0	0	0
9004	+	8	1	2	6	0	0	0	2	0	0	21	20
9004	-	2	0	0	7	0	0	0	4	0	2	18	10
9005	+	6	4	0	0	0	0	5	0	0	0	0	16
9005	-	5	0	0	0	0	2	9	0	0	0	0	24
9006	+	32	36	0	0	0	0	0	0	0	1	0	0
9006	-	11	26	0	0	0	0	0	0	0	4	10	0
9007	+	0	1	1	0	0	2	22	6	16	40	13	14
9007	-	1	1	0	0	0	0	13	20	0	3	0	38
9008	+	0	0	0	0	0	0	0	0	18	13	11	0
9008	-	0	0	0	0	0	0	0	0	0	16	19	1
9009	+	0	0	0	0	4	0	16	2	6	12	0	0
9009	-	0	0	0	1	0	2	9	0	17	9	0	0
9010	+	0	0	0	0	1	0	1	1	0	0	0	0
9010	-	0	0	0	0	11	10	0	0	0	0	0	0
9011	+	0	2	0	2	10	0	0	12	2	12	31	3
9011	-	1	1	0	0	9	0	0	1	2	0	0	25
9012	+	1	0	0	0	14	14	11	5	1	0	0	0
9012	-	0	0	0	0	0	2	3	9	0	0	0	0

charges transported by point-discharge for each month

12	13	14	15	16	17	18	19	20	21	22	23	Means
9	14	16	8	15	7	0	0	4	0	0	0	3.8
25	7	18	10	4	9	0	0	1	0	0	0	3.9
12	4	22	0	0	0	0	0	6	19	1	2	3.5
12	5	1	1	0	0	0	0	0	37	0	6	3.0
4	0	0	0	0	0	22	3	0	0	10	14	4.0
0	0	0	0	0	0	29	6	0	0	6	11	4.3
0	14	13	9	0	9	9	0	0	1	1	0	4.8
5	20	10	8	0	0	1	0	0	0	1	0	3.7
42	43	54	16	36	4	4	11	14	22	18	17	13.0
1	44	91	14	13	8	2	0	2	20	11	20	11.1
1	15	5	2	3	23	31	62	53	30	6	23	13.5
0	1	1	1	10	22	58	23	36	42	15	22	11.8
32	23	24	5	1	20	0	0	1	2	8	9	10.0
30	29	35	0	0	32	6	1	3	0	14	19	10.2
0	19	0	1	0	4	12	34	6	0	0	0	4.9
1	2	0	0	0	22	26	8	8	0	0	0	4.3
10	37	2	61	51	12	0	0	23	22	1	0	10.8
17	14	9	65	49	11	0	0	19	20	2	0	10.2
0	0	0	1	9	8	0	0	0	0	0	0	0.9
0	0	1	0	11	1	1	0	0	0	0	1	1.4
11	15	0	0	0	1	1	0	0	4	6	0	4.7
12	16	10	0	0	0	2	0	0	0	3	0	3.4
0	0	0	0	0	0	0	0	0	1	0	1	2.0
0	0	0	0	0	0	0	1	0	0	0	0	0.6

Hourly means of the quantities of positive and negative
1991

Month		00	01	02	03	04	05	06	07	08	09	10	11
9101	+	1	1	1	0	0	0	1	1	0	1	1	1
9101	-	0	0	0	0	0	0	0	0	0	0	0	0
9102	+	4	6	19	8	0	0	1	0	1	0	4	0
9102	-	2	7	11	0	0	0	0	0	0	0	0	0
9103	+	0	0	10	7	0	0	0	0	0	0	0	0
9103	-	0	0	0	2	0	0	0	0	0	0	0	0
9104	+	0	0	0	0	0	0	0	0	0	0	0	6
9104	-	3	0	0	0	0	0	0	0	0	0	0	6
9105	+	20	11	21	18	1	4	0	11	25	13	37	30
9105	-	28	11	20	15	36	4	38	32	20	71	6	45
9106	+	0	0	0	0	0	6	1	0	0	0	0	0
9106	-	2	0	0	0	0	7	0	0	0	0	0	0
9107	+	13	12	7	1	2	7	0	0	0	2	0	11
9107	-	0	0	5	0	9	0	2	0	0	0	0	17
9108	+	0	0	0	1	1	0	8	0	2	0	0	0
9108	-	0	0	0	0	0	0	21	0	4	0	0	0
9109	+	0	6	0	1	2	5	0	0	0	14	0	2
9109	-	2	2	12	4	1	5	0	0	5	2	0	0
9110	+	0	0	0	5	7	1	0	0	0	4	0	0
9110	-	0	0	0	10	9	1	18	0	6	27	0	0
9111	+	17	0	0	0	0	0	0	0	0	0	0	0
9111	-	28	1	0	0	0	0	0	0	0	0	0	0
9112	+	0	6	20	3	4	0	2	5	7	4	0	13
9112	-	0	0	6	4	0	0	3	6	4	5	0	22

charges transported by point-discharge for each month

12	13	14	15	16	17	18	19	20	21	22	23	Means
1	0	0	0	1	1	0	1	0	0	1	0	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	5	5	1	0	0	0	0	2.3
0	0	0	0	0	0	8	0	4	0	0	0	1.3
0	0	0	0	0	0	0	0	0	0	0	0	0.7
0	0	0	0	0	0	0	0	0	0	0	0	0.1
25	30	6	3	0	2	0	0	0	0	0	0	3.0
4	9	0	10	0	0	0	0	0	0	0	0	1.3
32	3	0	9	35	6	9	8	0	0	0	12	12.7
25	34	10	14	28	18	0	30	0	0	0	12	20.7
5	20	31	12	9	10	8	5	42	103	0	57	12.9
0	0	27	40	42	71	25	111	83	30	72	21	22.1
6	23	42	43	58	10	9	49	6	0	12	11	13.5
10	39	48	50	71	23	8	7	11	0	10	31	14.2
1	0	0	10	0	4	0	13	0	2	0	1	1.8
3	0	0	18	0	1	0	5	0	2	0	0	2.3
0	0	0	4	7	9	10	3	6	16	0	0	3.5
0	0	0	5	8	18	14	0	5	13	0	1	4.0
0	0	2	7	11	10	2	0	0	0	2	2	2.2
0	0	1	11	5	7	0	0	0	0	1	1	4.0
0	0	0	5	0	1	0	1	0	4	30	11	2.9
0	0	0	8	0	0	0	2	0	27	22	27	4.8
3	1	0	0	0	0	1	0	0	1	0	0	2.9
21	5	0	0	0	0	0	0	0	3	0	21	4.2