

Supplement

Table S1: List of events with runoff coefficient Rc, recession time constant Tc (hrs) and peak discharge Qp (mm/h).

LRC: Rc is greatly larger than 1 may caused by incorrect rainfall or flow data.

NDF: direct flow are too small to identified even though precipitation event occurred. mostly because of precipitation is too small.

NP: there are almost no precipitation event happened.

MP: missing pericipitaion data.

strange flow: flow hydrograph is too strange to identify a event.

MQ: missing diacharge data.

BP: direct flow before precipitation.

melt wave: melt wave

Event start Event end (yyyy-mm-dd hh)	HOAL	Dornbirnerach	Gail	Wimitzbach	Perschling
2002-01-20 18:00:00 2002-01-24 05:00:00	Rc:0.28 Tc:20 Qp:0.06				0.38 30 0.1
2002-01-27 07:00:00 2002-01-30 01:00:00	Rc:0.16 Tc:13 Qp:0.04	0.86 5 1.96			
2002-02-08 05:00:00 2002-02-11 05:00:00	Rc:NDF Tc:NDF Qp:NDF	1 12 0.57			
2002-02-13 05:00:00 2002-02-16 10:00:00	Rc:0.08 Tc:15 Qp:0.06				0.08 20 0.07
2002-02-25 05:00:00 2002-03-01 16:00:00	Rc:0.14 Tc:20 Qp:0.07	1 10 1.07			
2002-03-19 02:00:00 2002-03-23 18:00:00	Rc:0.14 Tc:1 Qp:1.79	1 4 4.32	0.18 15 0.1		0.25 7 0.76
2002-03-22 18:00:00 2002-03-23 15:00:00	Rc:NDF Tc:NDF Qp:NDF	0.54 6 1.2			
2002-04-13 08:00:00 2002-04-17 02:00:00	Rc:NDF Tc:NDF Qp:NDF	0.19 20 0.28	0.12 20 0.08		
2002-04-23 20:00:00 2002-04-30 17:00:00	Rc:NDF Tc:NDF Qp:NDF	0.65 5 3.21		0.05 20 0.03	0.05 20 0.03
2002-05-03 05:00:00 2002-05-07 04:00:00	Rc:NDF Tc:NDF	0.52 8	0.26 15		

	Qp:NDF	0.96	0.71		
2002-05-11 06:00:00	Rc:NDF	0.18		0.02	
	Tc:NDF	4		15	
2002-05-16 18:00:00	Qp:NDF	0.74	NDF	0.03	NP
2002-05-18 11:00:00	Rc:NDF	0.34			
	Tc:NDF	6			
2002-05-20 23:00:00	Qp:NDF	1.2	NDF	NDF	NDF
2002-05-23 12:00:00	Rc:NP	0.25	0.18		
	Tc:NP	4	13		
2002-05-25 03:00:00	Qp:NP	0.83	0.24	NP	NP
2002-05-25 12:00:00	Rc:0.01	0.5	0.39	0.01	0.02
	Tc:2	5	35	6	25
2002-05-29 17:00:00	Qp:0.02	1.46	0.31	0.06	0.01
2002-06-05 22:00:00	Rc:0.07	0.78	0.2	0.02	0.04
	Tc:1	2	8	15	5
2002-06-09 04:00:00	Qp:1.71	5.99	1.01	0.03	0.2
2002-06-09 13:00:00	Rc:0.01	0.97			0.08
	Tc:3	2			5
2002-06-11 09:00:00	Qp:0.02	5.88	NP	NP	0.35
2002-06-19 14:00:00	Rc:NP	0.07			
	Tc:NP	4			
2002-06-20 12:00:00	Qp:NP	0.28	NP	NP	NP
2002-06-20 11:00:00	Rc:NP	0.35			
	Tc:NP	4			
2002-06-21 12:00:00	Qp:NP	0.46	NP	NP	NP
2002-06-23 13:00:00	Rc:0.01	0.11	0.32		
	Tc:1	10	5		
2002-06-26 10:00:00	Qp:0.03	0.13	0.49	NDF	NDF
2002-06-27 10:00:00	Rc:0.01	0.21	0.12		
	Tc:2	2	6		
2002-06-30 17:00:00	Qp:0.02	2	0.24	NDF	strange flow
2002-07-03 17:00:00	Rc:0.01	0.32	0.06	0.01	
	Tc:1	1	5	8	
2002-07-05 11:00:00	Qp:0.03	2.44	0.18	0.04	NDF
2002-07-05 23:00:00	Rc:0.01	0.23			0.01
	Tc:3	6			5
2002-07-08 15:00:00	Qp:0.01	0.31	NP	NP	0.04
2002-07-12 17:00:00	Rc:0.01	0.1			
	Tc:1	12			
2002-07-15 02:00:00	Qp:0.03	0.15	NDF	NDF	NDF
2002-07-15 17:00:00	Rc:0.03	0.63	0.16	0.02	0.02
	Tc:1	2	8	2	4
2002-07-18 19:00:00	Qp:0.2	5.48	0.16	0.13	0.07

2002-07-20 22:00:00	Rc:0.01		0.11		
2002-07-22 17:00:00	Tc:1		6		
	Qp:0.05	NDF	0.15	NDF	NDF
2002-07-23 21:00:00	Rc:0.01	0.11			0.03
2002-07-27 16:00:00	Tc:1	6			28.92
	Qp:0.02	0.18	NDF	NDF	0.02
2002-08-01 18:00:00	Rc:0.01				
2002-08-02 11:00:00	Tc:1				
	Qp:0.03	NDF	NDF	NDF	NDF
2002-08-05 21:00:00	Rc:0.13	0.31	0.25	0.09	0.07
2002-08-09 16:00:00	Tc:1	6	20	30	2
	Qp:2.07	0.92	0.18	0.08	1.09
2002-08-10 14:00:00	Rc:0.27	0.86	0.3	0.04	0.34
2002-08-14 21:00:00	Tc:1	1	30	12	3
	Qp:1.96	11.22	0.32	0.13	2.45
2002-08-20 17:00:00	Rc:0.02	0.06	0.06	0.05	
2002-08-23 10:00:00	Tc:2	6	5	10	
	Qp:0.03	0.18	0.23	0.07	NDF
2002-08-31 13:00:00	Rc:MQ	0.22	0.08		0.05
2002-09-05 03:00:00	Tc:MQ	5	7		15
	Qp:MQ	1.18	0.11	NDF	0.03
2002-09-15 04:00:00	Rc:0.02				
2002-09-16 00:00:00	Tc:2				
	Qp:0.02	NDF	NP	NDF	NDF
2002-09-19 07:00:00	Rc:0.08	0.38		0.04	
2002-09-21 22:00:00	Tc:1	5		10	
	Qp:0.78	1.53	NP	0.08	NDF
2002-09-21 11:00:00	Rc:0.01	0.63		0.04	0.04
2002-09-23 06:00:00	Tc:2	6		15	20
	Qp:0.04	1.38	NDF	0.06	0.03
2002-09-22 21:00:00	Rc:0.04	0.41		0.1	0.06
2002-09-29 18:00:00	Tc:2	8		45	30
	Qp:0.12	1.34	strange flow	0.08	0.06
2002-10-04 13:00:00	Rc:0.03				0.03
2002-10-05 21:00:00	Tc:1				10
	Qp:0.16	NDF	NP	NP	0.04
2002-10-05 17:00:00	Rc:0.02	0.53			
2002-10-08 19:00:00	Tc:1	5			
	Qp:0.03	1.52	NP	NP	NP
2002-10-10 15:00:00	Rc:0.1	0.37	0.23	0.03	0.12
2002-10-17 01:00:00	Tc:2	7	35	10	5
	Qp:0.36	0.56	0.14	0.07	0.3
2002-10-16 22:00:00	Rc:0.07	0.51	0.15	0.04	
2002-10-21 05:00:00	Tc:2	4	14	15	strange flow

	Qp:0.15	1.72	0.16	0.08	
2002-10-23 05:00:00	Rc:0.05	0.09			
2002-10-25 05:00:00	Tc:3	15			
	Qp:0.11	0.12	NDF	NDF	NDF
2002-10-30 09:00:00	Rc:0.09				
2002-11-01 12:00:00	Tc:3				
	Qp:0.11	NP	NP	NP	NDF
2002-11-02 07:00:00	Rc:0.16	0.42	0.22		0.17
2002-11-07 04:00:00	Tc:1	4	15		25
	Qp:0.78	1.92	0.1	NDF	0.07
2002-11-08 20:00:00	Rc:0.09	0.73			
2002-11-10 09:00:00	Tc:10	3			
	Qp:0.06	1.6	NP	NP	NDF
2002-11-10 14:00:00	Rc:0.26	0.34			0.25
2002-11-14 01:00:00	Tc:1	1			20
	Qp:1.14	1.64	NP	NP	0.17
2002-11-16 06:00:00	Rc:0.07	0.16	0.21	0.06	
2002-11-21 12:00:00	Tc:8	4	8	20	
	Qp:0.06	0.55	0.88	0.07	NDF
2002-11-21 20:00:00	Rc:0.05	0.27		0.07	0.13
2002-11-25 05:00:00	Tc:1	15		20	30
	Qp:0.18	0.24	NDF	0.08	0.05
2002-11-24 08:00:00	Rc:0.08	0.27	0.45		
2002-12-02 12:00:00	Tc:4	8	20		
	Qp:0.05	0.44	1.21	NDF	NDF
2002-12-05 03:00:00	Rc:NDF				0.18
2002-12-09 10:00:00	Tc:NDF				40
	Qp:NDF	NP	NDF	NDF	0.06
2002-12-16 12:00:00	Rc:NDF	0.21			
2002-12-19 03:00:00	Tc:NDF	2			
	Qp:NDF	0.74	NP	NP	NDF
2002-12-21 00:00:00	Rc:0.3	1			0.23
2002-12-24 22:00:00	Tc:1	8			12
	Qp:0.58	1.31	NDF	NDF	0.23
2002-12-28 09:00:00	Rc:0.32	0.21			0.17
2003-01-01 17:00:00	Tc:1	6			30
	Qp:0.41	0.57	NDF	NDF	0.1
2003-01-02 01:00:00	Rc:0.26	0.53			0.3
2003-01-04 11:00:00	Tc:1	5			25
	Qp:1.11	1.27	NP	NP	0.09
2003-01-26 21:00:00	Rc:0.24	1			0.31
2003-01-30 08:00:00	Tc:1	4			7
	Qp:0.37	0.79	NP	NDF	0.41

2003-03-01 18:00:00	Rc:0.06 Tc:2	0.41 10			0.34 9
2003-03-05 22:00:00	Qp:0.07	0.31	NP	NDF	0.63
2003-03-06 10:00:00	Rc:NDF Tc:NDF	0.29 6			
2003-03-08 19:00:00	Qp:NDF	0.93	NP	NDF	NDF
2003-04-21 11:00:00	Rc:NP Tc:NP	0.5 8			
2003-04-23 10:00:00	Qp:NP	0.43	NDF	NDF	NP
2003-04-26 09:00:00	Rc:NDF Tc:NDF	0.44 12			
2003-04-28 11:00:00	Qp:NDF	0.45	NDF	NDF	NDF
2003-04-30 15:00:00	Rc:NP Tc:NP	0.31 6			
2003-05-02 09:00:00	Qp:NP	0.57	NDF	NP	NDF
2003-05-02 17:00:00	Rc:0.02 Tc:1	0.37 8			
2003-05-04 11:00:00	Qp:0.03	0.59	NDF	NP	NDF
2003-05-13 07:00:00	Rc:0.01 Tc:1	0.4 2			0.03 20
2003-05-17 12:00:00	Qp:0.05	1.29	NDF	NDF	0.03
2003-05-19 10:00:00	Rc:0.01 Tc:1	0.42 6	0.21 45	0.04 8	
2003-05-24 02:00:00	Qp:0.03	1.38	0.21	0.05	NDF
2003-05-22 11:00:00	Rc:NP Tc:NP	0.68 8.01			
2003-05-24 01:00:00	Qp:NP	1.38	NP	NP	NP
2003-05-27 12:00:00	Rc:0.04 Tc:1			0.01 3	
2003-05-28 10:00:00	Qp:0.58	NDF	NDF	0.04	NP
2003-05-28 12:00:00	Rc:NP Tc:NP	0.49 10			
2003-05-31 11:00:00	Qp:NP	0.41	NDF	NDF	NP
2003-05-31 09:00:00	Rc:0.01 Tc:2	0.14 8		0.21 4	
2003-06-01 22:00:00	Qp:0.02	0.13	NDF	0.12	NDF
2003-06-08 07:00:00	Rc:0.01 Tc:1	0.12 6			
2003-06-12 14:00:00	Qp:0.03	0.12	NDF	NDF	NDF
2003-06-14 15:00:00	Rc:0.01 Tc:1		0.16 20	0.06 20	0.08 5
2003-06-17 07:00:00	Qp:0.03	NDF	0.15	0.04	0.02
2003-06-17 13:00:00	Rc:NDF Tc:NDF	0.14 5	NDF	NDF	NDF
2003-06-19 17:00:00					

	Qp:NDF	0.29			
2003-07-01 15:00:00	Rc:NDF	0.14	0.05	0.04	
	Tc:NDF	4	8	25	
2003-07-06 05:00:00	Qp:NDF	0.44	0.15	0.05	NDF
2003-07-09 10:00:00	Rc:0.02				
	Tc:1				
2003-07-10 10:00:00	Qp:0.04	NP	NP	NP	NDF
2003-07-16 17:00:00	Rc:0.01	0.03	0.02		0.01
	Tc:1	6	3		8
2003-07-19 16:00:00	Qp:0.03	0.09	0.12	NP	0.02
2003-07-21 07:00:00	Rc:NP		0.05		0
	Tc:NP		5		4
2003-07-22 12:00:00	Qp:NP	NDF	0.14	NP	0.02
2003-07-22 14:00:00	Rc:0.01	0.21	0.1		0.01
	Tc:0.5	3	10		10
2003-07-26 04:00:00	Qp:0.06	1	0.17	NP	0.01
2003-07-27 12:00:00	Rc:0.01	0.12	0.05		0.03
	Tc:1	3	10		40
2003-07-31 01:00:00	Qp:0.03	0.44	0.12	NDF	0.01
2003-07-31 10:00:00	Rc:0.01				0.01
	Tc:1				8
2003-08-02 22:00:00	Qp:0.08	NP	NP	NP	0.03
2003-08-14 04:00:00	Rc:NP	0.04			
	Tc:NP	6			
2003-08-17 01:00:00	Qp:NP	0.07	NP	NP	NP
2003-08-18 12:00:00	Rc:0.01				
	Tc:1				
2003-08-19 10:00:00	Qp:0.05	NP	NP	NP	NP
2003-08-29 10:00:00	Rc:0.01	0.1	0.04		
	Tc:1	10	3		
2003-08-30 11:00:00	Qp:0.03	0.1	0.09	strange flow	NP
2003-08-30 09:00:00	Rc:0.01	0.2	0.04	0.04	
	Tc:1	7	5	7	
2003-09-02 04:00:00	Qp:0.02	0.48	0.24	0.15	MP
2003-09-01 16:00:00	Rc:0.01	0.1			
	Tc:1	6			
2003-09-04 00:00:00	Qp:0.01	0.13	NP	NP	NP
2003-09-09 22:00:00	Rc:0.01	0.24			
	Tc:3	1			
2003-09-12 17:00:00	Qp:0.01	1.72	NDF	MP	NDF
2003-09-12 19:00:00	Rc:0.01				0.02
	Tc:4				5
2003-09-14 13:00:00	Qp:0.02	NDF	NP	NP	0.08

2003-09-23 06:00:00	Rc:0.01	0.21		0.05	
2003-09-25 12:00:00	Tc:1	4		20	
	Qp:0.04	0.89	NDF	0.02	BP
2003-09-28 15:00:00	Rc:0.01	0.15			
2003-09-30 18:00:00	Tc:3	5			
	Qp:0.01	0.47	NDF	NDF	NDF
2003-10-04 19:00:00	Rc:0.01				
2003-10-06 06:00:00	Tc:2				
	Qp:0.04	strange flow	MP	MP	NDF
2003-10-08 17:00:00	Rc:NDF	1			
2003-10-11 18:00:00	Tc:NDF	1			
	Qp:NDF	8.45	NDF	NP	NDF
2003-10-31 14:00:00	Rc:0.01	0.43	0.23	0.06	0.03
2003-11-05 10:00:00	Tc:3	7	20	20	20
	Qp:0.03	1	0.46	0.09	0.02
2003-11-12 22:00:00	Rc:NP	0.39			
2003-11-14 23:00:00	Tc:NP	6			
	Qp:NP	1.2	NP	NP	NP
2003-11-17 01:00:00	Rc:NP	0.26			
2003-11-19 13:00:00	Tc:NP	7			
	Qp:NP	0.73	NP	NDF	NP
2003-11-28 16:00:00	Rc:0.01			0.06	
2003-11-30 16:00:00	Tc:3			10	
	Qp:0.01	NDF	NDF	0.09	NDF
2003-12-06 13:00:00	Rc:0.01				
2003-12-07 14:00:00	Tc:3				
	Qp:0.01	NDF	NDF	NP	NDF
2004-01-11 15:00:00	Rc:0.1	0.94			0.11
2004-01-16 02:00:00	Tc:3	6			12
	Qp:0.15	2.5	NP	NDF	0.1
2004-02-02 09:00:00	Rc:0.05				0.15
2004-02-06 09:00:00	Tc:4				15
	Qp:0.12	NDF	NDF	NDF	0.14
2004-02-07 01:00:00	Rc:NP	0.62			
2004-02-08 11:00:00	Tc:NP	4			
	Qp:NP	0.95	NP	NP	NP
2004-03-23 08:00:00	Rc:0.08				0.25
2004-03-29 06:00:00	Tc:1				25
	Qp:0.28	NDF	NP	NDF	0.31
2004-04-04 11:00:00	Rc:MP	0.38			
2004-04-06 09:00:00	Tc:MP	8			
	Qp:MP	0.82	NDF	NDF	NDF
2004-04-23 09:00:00	Rc:MP	0.57			
2004-04-25 14:00:00	Tc:MP	14	NDF	NDF	strange flow

	Qp:MP	1.13			
2004-05-01 13:00:00	Rc:MP	0.24			
	Tc:MP	5			
2004-05-03 04:00:00	Qp:MP	0.52	NDF	NP	NP
2004-05-05 04:00:00	Rc:MP	0.3			
	Tc:MP	10			
2004-05-08 04:00:00	Qp:MP	0.68	NDF	NDF	NP
2004-05-08 22:00:00	Rc:MP	0.36			
	Tc:MP	8			
2004-05-10 14:00:00	Qp:MP	0.58	NDF	NDF	NP
2004-05-15 19:00:00	Rc:MP				0.04
	Tc:MP				10
2004-05-18 12:00:00	Qp:MP	NDF	NDF	NP	0.05
2004-05-21 05:00:00	Rc:MP	0.32		0.03	0.03
	Tc:MP	6		15	36
2004-05-25 07:00:00	Qp:MP	1.37	NDF	0.06	0.02
2004-05-27 10:00:00	Rc:MP	0.21		0.05	0.04
	Tc:MP	9		20	25
2004-05-30 23:00:00	Qp:MP	0.38	NDF	0.06	0.03
2004-06-02 16:00:00	Rc:MP	0.63			0.18
	Tc:MP	2			8
2004-06-06 20:00:00	Qp:MP	4.84	NP	NP	0.54
2004-06-11 00:00:00	Rc:MP	0.27	0.23	0.03	
	Tc:MP	6	11	11	
2004-06-15 23:00:00	Qp:MP	0.76	0.55	0.09	NDF
2004-06-19 11:00:00	Rc:MP	0.37	0.36	0.13	0.06
	Tc:MP	11.55	38	33	10
2004-06-23 02:00:00	Qp:MP	0.42	0.41	0.26	0.16
2004-06-23 14:00:00	Rc:MP	0.13		0.09	0.06
	Tc:MP	8		15	14
2004-06-29 19:00:00	Qp:MP	0.21	NDF	0.16	0.08
2004-07-02 03:00:00	Rc:NDF	0.1	0.33	0.09	
	Tc:NDF	5	15	15	
2004-07-04 09:00:00	Qp:NDF	0.12	0.35	0.12	NDF
2004-07-05 20:00:00	Rc:NDF	0.33			
	Tc:NDF	4			
2004-07-08 00:00:00	Qp:NDF	1.2	NDF	NDF	NP
2004-07-08 13:00:00	Rc:0.01	0.71	0.16		
	Tc:1	1	10		
2004-07-09 22:00:00	Qp:0.03	5.89	0.33	NP	NP
2004-07-10 03:00:00	Rc:0.01		0.36	0.07	
	Tc:1		35	12	
2004-07-12 12:00:00	Qp:0.02	NDF	0.32	0.16	NP

2004-07-15 00:00:00	Rc:0.01				
2004-07-17 16:00:00	Tc:2				
	Qp:0.01	NDF	NDF	NDF	NDF
2004-07-23 20:00:00	Rc:0.01	0.53			
2004-07-25 10:00:00	Tc:1	2			
	Qp:0.09	5.48	NDF	NDF	NDF
2004-08-12 08:00:00	Rc:NP	0.1	0.06		
2004-08-14 06:00:00	Tc:NP	8	6		
	Qp:NP	0.31	0.12	NDF	NP
2004-08-14 11:00:00	Rc:NP	0.38			
2004-08-16 07:00:00	Tc:NP	5			
	Qp:NP	0.88	NP	NP	NP
2004-08-19 17:00:00	Rc:NDF	0.18	0.08	0.07	0.01
2004-08-23 07:00:00	Tc:NDF	10	4	20	5
	Qp:NDF	0.28	0.17	0.07	0.02
2004-08-25 23:00:00	Rc:NDF	0.44	0.04	0.03	
2004-08-28 06:00:00	Tc:NDF	4	4	5	
	Qp:NDF	0.9	0.17	0.1	NP
2004-08-29 10:00:00	Rc:NDF	0.28	0.11	0.05	0.01
2004-09-02 15:00:00	Tc:NDF	10	10	15	3
	Qp:NDF	0.3	0.19	0.09	0.06
2004-09-12 01:00:00	Rc:NP	0.22			
2004-09-13 18:00:00	Tc:NP	5			
	Qp:NP	0.64	NDF	NDF	NDF
2004-09-14 11:00:00	Rc:NDF	0.12	0.07	0.06	0.01
2004-09-18 20:00:00	Tc:NDF	7	10	8	10
	Qp:NDF	0.14	0.16	0.11	0.01
2004-09-23 07:00:00	Rc:0	0.49			0.02
2004-09-26 11:00:00	Tc:3	4			4
	Qp:0.01	1.99	NP	NDF	0.07
2004-10-08 19:00:00	Rc:0.01	0.18	0.04	0.05	0.01
2004-10-12 13:00:00	Tc:1	5	5	20	4
	Qp:0.05	0.41	0.08	0.06	0.03
2004-11-05 03:00:00	Rc:NP	0.08			
2004-11-06 18:00:00	Tc:NP	4			
	Qp:NP	0.15	NP	NP	NDF
2004-11-19 07:00:00	Rc:NDF	0.82			0.08
2004-11-20 10:00:00	Tc:NDF	20			1
	Qp:NDF	0.11	NDF	NDF	0.11
2004-11-21 21:00:00	Rc:0.01	0.99			0.17
2004-11-27 05:00:00	Tc:2	8			30
	Qp:0.02	0.45	NP	NP	0.05
2004-12-25 20:00:00	Rc:NDF			0.07	0.04
2004-12-28 16:00:00	Tc:NDF	NDF	NDF	20	10

	Qp:NDF			0.06	0.02
2005-01-01 18:00:00	Rc:0.02	0.47			
2005-01-05 05:00:00	Tc:8	15.44			
	Qp:0.02	0.3	NP	NP	NDF
2005-01-05 17:00:00	Rc:0.01				
2005-01-07 19:00:00	Tc:2				
	Qp:0.02	strange flow	NP	NDF	NDF
2005-01-20 11:00:00	Rc:0.08	0.33			0.09
2005-01-24 05:00:00	Tc:4	25.7			20
	Qp:0.2	0.17	NP	NP	0.04
2005-01-31 02:00:00	Rc:0.02				
2005-02-02 03:00:00	Tc:5				
	Qp:0.02	NP	NP	NP	NDF
2005-02-11 16:00:00	Rc:0.35				
2005-02-14 10:00:00	Tc:3				
	Qp:0.45	strange flow	NDF	NDF	strange flow
2005-03-18 05:00:00	Rc:0.07	1			
2005-03-21 07:00:00	Tc:7	18			
	Qp:0.07	1.02	NDF	NDF	strange flow
2005-03-29 07:00:00	Rc:NP	0.37		0.09	
2005-04-02 06:00:00	Tc:NP	11.59		20	
	Qp:NP	0.81	NDF	0.06	NP
2005-04-08 12:00:00	Rc:0.02			0.05	
2005-04-11 04:00:00	Tc:3			12	
	Qp:0.02	NDF	NDF	0.08	NDF
2005-04-18 17:00:00	Rc:0.05	0.38		0.08	0.15
2005-04-23 12:00:00	Tc:6	10.66		20	20
	Qp:0.06	0.9	NDF	0.05	0.1
2005-04-23 13:00:00	Rc:0.02	0.54			0.06
2005-04-28 23:00:00	Tc:2	8			15
	Qp:0.03	0.81	NDF	NDF	0.05
2005-05-03 08:00:00	Rc:NP	0.27			
2005-05-04 10:00:00	Tc:NP	5			
	Qp:NP	1.04	NDF	NDF	NDF
2005-05-07 15:00:00	Rc:0.01	0.48			0.03
2005-05-09 19:00:00	Tc:1	5			10
	Qp:0.03	2.39	NDF	NDF	0.03
2005-05-16 13:00:00	Rc:0.04	0.17	0.28	0.03	0.09
2005-05-21 12:00:00	Tc:3	7	40	7	7
	Qp:0.16	0.46	0.2	0.08	0.33
2005-05-23 01:00:00	Rc:0.06	0.29	0.17		0.01
2005-05-25 05:00:00	Tc:3	8	10		8
	Qp:0.21	0.54	0.23	NP	0.04

2005-05-30 09:00:00	Rc:0.01 Tc:2	0.18 5	0.26 20		0.02 4
2005-06-01 09:00:00	Qp:0.02	0.86	0.14	NP	0.07
2005-06-03 22:00:00	Rc:0.01 Tc:1	0.14 8	0.06 20	0.04 20	0.03 10
2005-06-07 21:00:00	Qp:0.03	0.29	0.09	0.04	0.05
2005-06-06 15:00:00	Rc:0.04 Tc:1	0.71 3			0.04 15
2005-06-09 10:00:00	Qp:0.14	4.29	NP	NP	0.03
2005-06-25 13:00:00	Rc:0.01 Tc:1	0.08 20		0.01 1	0.05 3
2005-06-27 07:00:00	Qp:0.05	0.05	NP	0.22	0.02
2005-06-29 15:00:00	Rc:NDF Tc:NDF	0.16 3	0.05 10	0.04 12	0.01 2
2005-07-02 20:00:00	Qp:NDF	1.03	0.1	0.05	0.1
2005-07-04 14:00:00	Rc:0.01 Tc:2	0.17 6	0.05 15	0.04 15	0.03 10
2005-07-06 19:00:00	Qp:0.02	0.61	0.09	0.07	0.03
2005-07-06 16:00:00	Rc:0.02 Tc:1	0.2 6	0.11 12	0.1 15	0.05 18
2005-07-09 16:00:00	Qp:0.1	0.5	0.24	0.25	0.06
2005-07-09 07:00:00	Rc:0.13 Tc:2	0.32 3		0.12 12	0.15 4
2005-07-12 20:00:00	Qp:0.94	1.36	NP	0.14	0.68
2005-07-18 12:00:00	Rc:0.02 Tc:1	0.21 5	0.13 5	0.11 15	
2005-07-20 02:00:00	Qp:0.07	0.77	0.34	0.08	NDF
2005-07-20 23:00:00	Rc:0.03 Tc:3	0.23 5			
2005-07-21 19:00:00	Qp:0.03	0.86	NP	NP	NP
2005-07-25 07:00:00	Rc:NP Tc:NP	0.34 10	0.07 4	0.05 6	
2005-07-27 16:00:00	Qp:NP	0.62	0.18	0.08	NP
2005-08-02 13:00:00	Rc:0.01 Tc:1	0.54 5		0.05 20	0.04 15
2005-08-05 14:00:00	Qp:0.02	1.17	NDF	0.07	0.02
2005-08-14 10:00:00	Rc:0.03 Tc:3	0.7 5	0.06 3	0.04 5	0.09 6
2005-08-19 01:00:00	Qp:0.12	1.66	0.21	0.12	0.27
2005-08-18 15:00:00	Rc:0.06 Tc:3	1 1	0.61 38		
2005-08-21 15:00:00	Qp:0.38	7.84	0.06	NP	NP
2005-08-21 02:00:00	Rc:0.06	0.9	0.14		0.17
2005-08-23 21:00:00	Tc:2	1	15	NDF	2

	Qp:0.14	16.71	0.25		1.33
2005-09-09 00:00:00	Rc:NP	0.17	0.08		
2005-09-12 01:00:00	Tc:NP	10	7		
	Qp:NP	0.35	0.3	NP	NP
2005-09-16 15:00:00	Rc:MQ	0.23	0.06		
2005-09-19 06:00:00	Tc:MQ	10	8		
	Qp:MQ	0.36	0.14	NDF	NDF
2005-09-29 03:00:00	Rc:MQ	0.3	0.14		0.04
2005-10-01 14:00:00	Tc:MQ	10	20		10
	Qp:MQ	0.44	0.1	NDF	0.04
2005-10-01 11:00:00	Rc:MQ	0.45	0.29	0.1	
2005-10-08 16:00:00	Tc:MQ	4	10	20	
	Qp:MQ	1.35	0.9	0.16	NDF
2005-11-16 04:00:00	Rc:MQ	0.08			
2005-11-18 06:00:00	Tc:MQ	21			
	Qp:MQ	0.08	NP	NP	NP
2005-12-15 23:00:00	Rc:0.06				
2005-12-18 08:00:00	Tc:12				
	Qp:0.07	NDF	NP	NP	strange flow
2006-03-08 14:00:00	Rc:NDF	1			0.37
2006-03-13 10:00:00	Tc:NDF	5			20
	Qp:NDF	1.73	NP	NP	0.2
2006-03-28 09:00:00	Rc:0	1		0.08	0.3
2006-04-01 11:00:00	Tc:0.5	6		12	7
	Qp:0	2.12	NDF	0.12	0.67
2006-04-27 10:00:00	Rc:0.02	0.97			0.05
2006-04-30 14:00:00	Tc:1.5	2			10
	Qp:0.08	5.32	NDF	NDF	0.07
2006-04-28 16:00:00	Rc:0.09				0.31
2006-05-02 11:00:00	Tc:18				8
	Qp:0.07	NDF	NDF	NDF	0.56
2006-05-17 01:00:00	Rc:0.02	0.27	0.3	0.06	0.02
2006-05-23 04:00:00	Tc:2	6	25	18	2
	Qp:0.03	0.48	0.51	0.1	0.09
2006-05-26 15:00:00	Rc:0.02	0.42			0.12
2006-05-29 06:00:00	Tc:2	7			1.5
	Qp:0.03	0.53	NP	NDF	0.27
2006-05-27 21:00:00	Rc:0.04	1	0.3	0.13	0.1
2006-05-31 08:00:00	Tc:8	2	30	30	5
	Qp:0.06	6.37	0.26	0.07	0.09
2006-06-02 13:00:00	Rc:0.04	0.67			0.28
2006-06-05 12:00:00	Tc:5	7			7
	Qp:0.11	0.94	NDF	NDF	0.9

2006-06-15 21:00:00	Rc:0.01 Tc:2		0.21 29.79		0.09 10
2006-06-21 13:00:00	Qp:0.03	NDF	0.18	NDF	0.06
2006-06-21 09:00:00	Rc:0.01 Tc:3	0.05 6	0.04 4		0.06 3
2006-06-24 03:00:00	Qp:0.03	0.16	0.14	NDF	0.14
2006-06-27 15:00:00	Rc:0.02 Tc:3		0.07 4	0.02 4	0.02 2
2006-06-30 17:00:00	Qp:0.1	NDF	0.24	0.07	0.09
2006-07-01 11:00:00	Rc:0.03 Tc:2				
2006-07-02 22:00:00	Qp:0.02	NP	NP	NP	NP
2006-07-06 07:00:00	Rc:NP Tc:NP	0.36 4	0.05 3		
2006-07-09 10:00:00	Qp:NP	1.36	0.16	NDF	NP
2006-07-11 22:00:00	Rc:NP Tc:NP	0.09 1		0.08 5	
2006-07-12 13:00:00	Qp:NP	2.09	NP	0.08	NP
2006-07-14 08:00:00	Rc:0.01 Tc:1				0.05 5
2006-07-16 06:00:00	Qp:0.03	NP	NP	NDF	0.05
2006-07-23 13:00:00	Rc:NP Tc:NP		0.03 2		0.06 13
2006-07-24 12:00:00	Qp:NP	NP	0.15	NDF	0.02
2006-07-28 10:00:00	Rc:NP Tc:NP	0.05 2	0.04 4		
2006-07-30 17:00:00	Qp:NP	0.18	0.12	NDF	NDF
2006-07-31 16:00:00	Rc:0.02 Tc:1	0.24 4			
2006-08-02 22:00:00	Qp:0.04	0.62	NDF	NDF	NDF
2006-08-02 19:00:00	Rc:0.01 Tc:2	0.49 3	0.15 3	0.03 3	0.02 2
2006-08-05 23:00:00	Qp:0.04	2.2	0.72	0.08	0.11
2006-08-05 15:00:00	Rc:0.02 Tc:3	1 1			0.05 6
2006-08-06 22:00:00	Qp:0.03	11.06	NP	NP	0.1
2006-08-06 16:00:00	Rc:0.02 Tc:4	1 3			0.18 1
2006-08-09 15:00:00	Qp:0.06	4.18	NP	NP	1.72
2006-08-11 04:00:00	Rc:0.02 Tc:3	0.45 9		0.04 15	0.08 9
2006-08-15 14:00:00	Qp:0.07	1.03	NDF	0.04	0.1
2006-08-20 00:00:00	Rc:0.01	0.24	0.44		0.03
2006-08-21 22:00:00	Tc:1	6	10	NDF	5

	Qp:0.02	0.55	0.14		0.13
2006-08-22 02:00:00	Rc:NP	0.51			
2006-08-24 03:00:00	Tc:NP	20			
	Qp:NP	0.18	NP	NP	NDF
2006-08-24 09:00:00	Rc:0.01	0.38	0.07		
2006-08-26 15:00:00	Tc:3	10	6		
	Qp:0.02	0.42	0.17	NDF	NDF
2006-08-26 14:00:00	Rc:NP	0.35	0.24	0.03	
2006-08-28 14:00:00	Tc:NP	4	20	15	
	Qp:NP	0.93	0.23	0.03	NP
2006-08-28 13:00:00	Rc:0.02	0.59	0.55	0.02	
2006-09-01 22:00:00	Tc:2	3	40	10	
	Qp:0.02	3.68	0.23	0.04	NDF
2006-09-07 15:00:00	Rc:0.01	0.3	0.03		0.04
2006-09-10 14:00:00	Tc:1	2	4		7
	Qp:0.03	1.9	0.16	NP	0.15
2006-09-15 04:00:00	Rc:NP	0.49	0.05		
2006-09-17 22:00:00	Tc:NP	1	4		
	Qp:NP	4.3	0.34	NDF	NP
2006-09-17 23:00:00	Rc:0.01	0.75			
2006-09-20 10:00:00	Tc:1	3			
	Qp:0.09	3.45	NP	NDF	MP
2006-09-25 14:00:00	Rc:NDF	0.23			
2006-09-27 22:00:00	Tc:NDF	5			
	Qp:NDF	0.84	NP	NP	NDF
2006-10-29 01:00:00	Rc:0.01	0.33			
2006-10-31 01:00:00	Tc:1	15			
	Qp:0.06	0.29	NP	NP	NP
2006-10-31 23:00:00	Rc:NDF	0.27			
2006-11-02 23:00:00	Tc:NDF	10			
	Qp:NDF	0.45	NP	NP	NP
2006-11-04 21:00:00	Rc:0.04	0.55			
2006-11-11 09:00:00	Tc:10	13.68			
	Qp:0.06	0.27	NP	NP	NP
2006-11-11 17:00:00	Rc:0.02	0.48			
2006-11-16 18:00:00	Tc:3	7			
	Qp:0.03	0.82	NP	NP	NP
2006-11-21 12:00:00	Rc:0.08	0.26		0.04	0.07
2006-11-25 06:00:00	Tc:38.32	15		25	55
	Qp:0.03	0.12	NP	0.04	0.02
2006-12-04 18:00:00	Rc:NP	0.4			
2006-12-06 08:00:00	Tc:NP	12			
	Qp:NP	0.21	NP	NP	NP

2006-12-06 05:00:00	Rc:NDF	0.16	0.05	0.06	
	Tc:NDF	5	5	50	
2006-12-11 18:00:00	Qp:NDF	0.48	0.07	0.02	NDF
2006-12-17 02:00:00	Rc:NDF	1			
	Tc:NDF	15.35			
2006-12-20 04:00:00	Qp:NDF	0.25	NDF	NDF	NP
2007-01-01 01:00:00	Rc:0.06	0.66			
	Tc:10	1			
2007-01-04 01:00:00	Qp:0.06	1.84	NDF	NDF	NDF
2007-01-06 21:00:00	Rc:NDF	0.67			
	Tc:NDF	5			
2007-01-11 03:00:00	Qp:NDF	1.66	NDF	NDF	NDF
2007-01-18 16:00:00	Rc:0.08				0.05
	Tc:4				45
2007-01-25 06:00:00	Qp:0.21	strange flow	NDF	NDF	0.02
2007-02-07 23:00:00	Rc:NDF	0.39			
	Tc:NDF	15			
2007-02-10 17:00:00	Qp:NDF	0.13	NDF	NDF	NDF
2007-02-10 15:00:00	Rc:NDF	0.43			
	Tc:NDF	8			
2007-02-14 01:00:00	Qp:NDF	0.52	NDF	NDF	NP
2007-02-14 19:00:00	Rc:NDF	0.48			
	Tc:NDF	4			
2007-02-16 18:00:00	Qp:NDF	1.81	NP	NP	NDF
2007-02-27 17:00:00	Rc:0.08	0.98			
	Tc:8	7			
2007-03-01 13:00:00	Qp:0.08	0.56	NDF	NDF	NDF
2007-03-01 14:00:00	Rc:0.12	0.53			
	Tc:10	10			
2007-03-03 05:00:00	Qp:0.07	1.05	NDF	NDF	NDF
2007-03-03 00:00:00	Rc:0.06	1			
	Tc:5	5			
2007-03-06 13:00:00	Qp:0.11	1.27	NDF	NP	NDF
2007-03-07 23:00:00	Rc:0.08			0.12	0.11
	Tc:16			80	50
2007-03-12 13:00:00	Qp:0.07	NDF	NDF	0.02	0.03
2007-03-19 20:00:00	Rc:0.06				
	Tc:15				
2007-03-22 05:00:00	Qp:0.05	NDF	NDF	NDF	NDF
2007-03-23 11:00:00	Rc:0.09				0.27
	Tc:8				15
2007-03-28 17:00:00	Qp:0.13	NDF	NDF	NDF	0.29
2007-05-06 01:00:00	Rc:0.02	0.34			
2007-05-07 20:00:00	Tc:5	4	NP	NP	NDF

	Qp:0.02	0.64			
2007-05-08 10:00:00	Rc:0.02	0.49			0.04
	Tc:3	7			11
2007-05-12 06:00:00	Qp:0.05	0.36	NP	NP	0.1
2007-05-23 04:00:00	Rc:NP			0.13	
	Tc:NP			11	
2007-05-25 06:00:00	Qp:NP	NP	NP	0.03	NDF
2007-05-28 10:00:00	Rc:0.01	0.98	0.18	0.02	0.02
	Tc:1	5	20	10	15
2007-06-08 01:00:00	Qp:0.02	3.17	0.22	0.05	0.03
2007-06-10 08:00:00	Rc:0.01	0.69			
	Tc:2	6.14			
2007-06-14 13:00:00	Qp:0.08	1.43	NP	NP	NP
2007-06-13 15:00:00	Rc:0.01	0.29	0.12		
	Tc:1	4	8		
2007-06-17 07:00:00	Qp:0.02	1.38	0.1	NP	NP
2007-06-22 02:00:00	Rc:0.02	0.27	0.11		
	Tc:1	5	9		
2007-06-25 09:00:00	Qp:0.21	0.57	0.13	NP	NP
2007-06-25 11:00:00	Rc:0.01	0.42	0.08		
	Tc:1	4	3		
2007-06-28 06:00:00	Qp:0.07	1.35	0.42	NP	NP
2007-07-02 04:00:00	Rc:0.01	0.41	0.14		
	Tc:1	12	15		
2007-07-03 15:00:00	Qp:0.03	0.38	0.2	NP	NP
2007-07-03 13:00:00	Rc:NDF	0.59	0.15		
	Tc:NDF	13	7		
2007-07-06 18:00:00	Qp:NDF	0.83	0.3	NDF	NDF
2007-07-09 01:00:00	Rc:0.01	0.54	0.19	0.03	
	Tc:2	4	10	20	
2007-07-13 13:00:00	Qp:0.02	1.85	0.49	0.05	MP
2007-07-21 23:00:00	Rc:NP	0.15			
	Tc:NP	7			
2007-07-23 00:00:00	Qp:NP	0.34	NP	NP	NP
2007-07-23 16:00:00	Rc:0	0.29			0.01
	Tc:1	2			8
2007-07-25 10:00:00	Qp:0.01	1.47	NDF	NDF	0.01
2007-07-29 11:00:00	Rc:0	0.59		0.02	0.01
	Tc:1	2		10	2
2007-08-01 10:00:00	Qp:0.01	6.45	NDF	0.04	0.01
2007-08-02 13:00:00	Rc:0.01	0.23			
	Tc:1	2			
2007-08-05 05:00:00	Qp:0.02	1.16	NDF	NDF	NDF

2007-08-07 13:00:00	Rc:0	0.81	0.06		
2007-08-10 15:00:00	Tc:1	2	7		
	Qp:0.04	8.15	0.17	NP	strange flow
2007-08-11 02:00:00	Rc:0.01				0.01
2007-08-13 07:00:00	Tc:2				2
	Qp:0.05	NDF	NDF	NDF	0.05
2007-08-15 07:00:00	Rc:0.01	0.35	0.05		
2007-08-19 15:00:00	Tc:2	10	3		
	Qp:0.02	0.76	0.15	NDF	NDF
2007-08-19 15:00:00	Rc:0.01		0.15		0.01
2007-08-22 11:00:00	Tc:1		12		12
	Qp:0.01	NDF	0.36	NDF	0.01
2007-08-29 02:00:00	Rc:0.01	0.49			
2007-08-31 22:00:00	Tc:2	4			
	Qp:0.01	1.27	NDF	MP	NDF
2007-09-01 05:00:00	Rc:0.01				0.01
2007-09-02 14:00:00	Tc:1				10
	Qp:0.03	NDF	NP	NP	0.01
2007-09-05 19:00:00	Rc:0.09				0.13
2007-09-08 22:00:00	Tc:2				2
	Qp:0.75	NDF	NP	NP	1.88
2007-09-10 22:00:00	Rc:0.14	0.33			0.15
2007-09-13 11:00:00	Tc:2	5			15
	Qp:0.84	0.55	NP	NP	0.15
2007-09-17 22:00:00	Rc:0.01	0.63	0.06	0.02	
2007-09-20 07:00:00	Tc:2	3	8	15	
	Qp:0.02	3.4	0.11	0.03	NP
2007-09-26 06:00:00	Rc:0.03	0.56		0.02	0.03
2007-09-29 23:00:00	Tc:5	8		6	12
	Qp:0.02	1.05	NDF	0.06	0.02
2007-10-23 00:00:00	Rc:0.04				0.12
2007-10-26 10:00:00	Tc:5				10
	Qp:0.05	NDF	NP	NP	0.21
2007-10-27 12:00:00	Rc:0.07	0.31	0.07		0.27
2007-11-02 14:00:00	Tc:12	15	6		8
	Qp:0.07	0.26	0.1	NP	1.04
2007-11-07 14:00:00	Rc:0.11	0.66			
2007-11-09 21:00:00	Tc:5	15			
	Qp:0.19	0.35	NP	NDF	NDF
2007-11-11 00:00:00	Rc:0.18				0.17
2007-11-14 03:00:00	Tc:2				12
	Qp:0.65	LRC	NDF	NDF	0.15
2007-11-24 03:00:00	Rc:NDF		0.14		
2007-11-26 19:00:00	Tc:NDF	strange flow	9	NDF	MP

	Qp:NDF		0.28		
2007-12-02 18:00:00	Rc:NDF	0.29			
	Tc:NDF	2			
2007-12-03 23:00:00	Qp:NDF	0.71	NP	NP	NDF
2007-12-11 15:00:00	Rc:0.12				0.34
	Tc:10				8
2007-12-15 11:00:00	Qp:0.14	NDF	NP	NDF	0.58
2008-01-07 02:00:00	Rc:NDF	1			
	Tc:NDF	8			
2008-01-09 06:00:00	Qp:NDF	1.5	NP	NP	NDF
2008-01-18 07:00:00	Rc:0.18				0.27
	Tc:15				20
2008-01-23 06:00:00	Qp:0.06	strange flow	NDF	NDF	0.08
2008-01-22 01:00:00	Rc:0.06	0.16			
	Tc:6	12			
2008-01-23 23:00:00	Qp:0.04	0.18	NDF	NP	NDF
2008-01-27 01:00:00	Rc:0.09				
	Tc:15				
2008-01-29 15:00:00	Qp:0.06	NDF	NDF	NP	NDF
2008-02-06 01:00:00	Rc:NDF	0.75			
	Tc:NDF	25			
2008-02-11 11:00:00	Qp:NDF	0.18	NP	NP	NP
2008-02-27 05:00:00	Rc:NDF	0.95			
	Tc:NDF	5			
2008-02-28 11:00:00	Qp:NDF	0.96	NDF	NP	NP
2008-03-01 00:00:00	Rc:0.07				
	Tc:13				
2008-03-04 20:00:00	Qp:0.07	strange flow	NDF	NDF	NDF
2008-03-11 23:00:00	Rc:0.03	1			
	Tc:3	4			
2008-03-13 15:00:00	Qp:0.04	1.63	NDF	NDF	NDF
2008-03-13 15:00:00	Rc:0.08	0.84			0.11
	Tc:12	5			3
2008-03-16 19:00:00	Qp:0.08	0.97	NDF	NDF	0.2
2008-03-17 07:00:00	Rc:0.03	0.61			
	Tc:5	5			
2008-03-18 22:00:00	Qp:0.04	1.53	NP	NP	NDF
2008-04-01 23:00:00	Rc:0.03	0.49			
	Tc:5	9.25			
2008-04-05 10:00:00	Qp:0.05	0.68	NDF	NP	NDF
2008-04-21 10:00:00	Rc:0.01	0.77	0.1		0.03
	Tc:1	7	12		12
2008-04-23 23:00:00	Qp:0.1	4.79	0.13	NDF	0.04

2008-04-22 12:00:00	Rc:0.05	0.92			0.1
2008-04-27 14:00:00	Tc:5	8			18
	Qp:0.08	1.37	NDF	NDF	0.09
2008-04-28 10:00:00	Rc:0.04	0.59	0.48		
	Tc:5	5	35		
2008-04-30 09:00:00	Qp:0.03	2.32	0.14	NDF	NP
2008-05-05 09:00:00	Rc:0.03				0.03
	Tc:4				6
2008-05-07 20:00:00	Qp:0.06	melt wave	NDF	NDF	0.05
2008-05-17 09:00:00	Rc:0.02	0.26	0.36	0.03	0.05
	Tc:3	19.6	15	40	30
2008-05-26 23:00:00	Qp:0.03	0.41	0.67	0.03	0.05
2008-06-02 08:00:00	Rc:0.01	0.3		0.01	0.03
	Tc:0.5	6		2	6
2008-06-06 00:00:00	Qp:0.08	0.76	NDF	0.12	0.03
2008-06-07 05:00:00	Rc:0.01	0.16		0.06	0.05
	Tc:1.5	4		15	3
2008-06-11 07:00:00	Qp:0.03	0.73	NDF	0.04	0.14
2008-06-11 09:00:00	Rc:NDF	0.55			0.03
	Tc:NDF	4			4
2008-06-14 10:00:00	Qp:NDF	2.1	NDF	NDF	0.07
2008-06-23 16:00:00	Rc:NP		0.26	0.04	0.01
	Tc:NP		9	7	4
2008-06-25 11:00:00	Qp:NP	NP	0.18	0.05	0.03
2008-06-25 17:00:00	Rc:0.01	0.08	0.11		0.02
	Tc:1	8	7		3
2008-06-27 16:00:00	Qp:0.03	0.07	0.14	NDF	0.07
2008-06-26 13:00:00	Rc:0.01		0.24	0.05	0.03
	Tc:1		10	25	10
2008-06-29 01:00:00	Qp:0.04	NP	0.17	0.04	0.06
2008-06-29 16:00:00	Rc:0.01		0.1		0.02
	Tc:2		8		6
2008-07-02 14:00:00	Qp:0.05	NDF	0.22	NDF	0.04
2008-07-02 11:00:00	Rc:0.01	0.08	0.04		
	Tc:3	6	4		
2008-07-05 09:00:00	Qp:0.02	0.2	0.17	NDF	NP
2008-07-06 12:00:00	Rc:0.01	0.18	0.06		0.01
	Tc:1	4	8		4
2008-07-09 11:00:00	Qp:0.05	0.5	0.14	NDF	0.02
2008-07-12 09:00:00	Rc:0.02	0.66	0.16		0.01
	Tc:1	1	4		3
2008-07-14 02:00:00	Qp:0.16	7.03	0.16	NP	0.05
2008-07-13 14:00:00	Rc:0.04	0.97	0.65	0.05	0.03
2008-07-17 06:00:00	Tc:1	2	20	20	15

	Qp:0.03	7.04	0.22	0.05	0.03
2008-07-16 15:00:00	Rc:0.01	0.45	0.11	0.04	0.05
	Tc:3	3	5	20	10
2008-07-19 16:00:00	Qp:0.03	3.77	0.23	0.04	0.06
2008-07-19 23:00:00	Rc:0.01	0.47	0.16	0.05	0.06
	Tc:2	5	8	20	6
2008-07-23 02:00:00	Qp:0.04	1.5	0.22	0.05	0.14
2008-07-23 06:00:00	Rc:0.04	0.11	0.17		0.24
	Tc:2	6	12		6
2008-07-28 01:00:00	Qp:0.26	0.16	0.12	NDF	0.84
2008-07-30 16:00:00	Rc:NP	0.07	0.16		
	Tc:NP	6	3		
2008-08-03 00:00:00	Qp:NP	0.14	0.24	NDF	strange flow
2008-08-04 17:00:00	Rc:NDF	0.12	0.04		
	Tc:NDF	8	2		
2008-08-07 14:00:00	Qp:NDF	0.21	0.16	NP	NDF
2008-08-07 18:00:00	Rc:0.01	0.2	0.08	0.03	0.04
	Tc:1	4	6	20	10
2008-08-14 08:00:00	Qp:0.03	0.67	0.24	0.04	0.04
2008-08-14 22:00:00	Rc:0.03	0.47	0.14	0.04	0.07
	Tc:2	5	15	19	4
2008-08-17 18:00:00	Qp:0.15	2.88	0.23	0.07	0.37
2008-08-22 15:00:00	Rc:NP	0.25			
	Tc:NP	10			
2008-08-23 12:00:00	Qp:NP	0.33	NP	NP	NP
2008-08-23 06:00:00	Rc:NP	0.54	0.07		
	Tc:NP	5	5		
2008-08-25 08:00:00	Qp:NP	1.01	0.24	NDF	NP
2008-09-01 09:00:00	Rc:0.02	0.16	0.03		0.01
	Tc:2	3	3		4
2008-09-02 14:00:00	Qp:0.02	0.14	0.16	NP	0.03
2008-09-06 20:00:00	Rc:0.01	0.32			0.02
	Tc:1	4			4
2008-09-08 19:00:00	Qp:0.04	1.27	NDF	NDF	0.02
2008-09-12 14:00:00	Rc:0.02	0.46		0.07	0.1
	Tc:6	4		20	6
2008-09-18 15:00:00	Qp:0.05	1.22	NDF	0.08	0.46
2008-09-25 01:00:00	Rc:NDF				0.18
	Tc:NDF				14
2008-09-28 17:00:00	Qp:NDF	NP	NP	NP	0.09
2008-10-03 02:00:00	Rc:0.03	0.22	0.1	0.04	0.04
	Tc:2	10	20	30	1
2008-10-06 12:00:00	Qp:0.05	0.25	0.1	0.05	0.14

2008-11-07 19:00:00	Rc:0.03				
2008-11-09 18:00:00	Tc:15				
	Qp:0.02	NP	NP	NDF	strange flow
2008-11-11 13:00:00	Rc:0.02	0.35			
2008-11-15 16:00:00	Tc:2	45			
	Qp:0.02	0.15	NDF	NDF	NDF
2008-11-16 13:00:00	Rc:0.01	0.45			
2008-11-19 05:00:00	Tc:2	9			
	Qp:0.02	0.43	NDF	NP	NDF
2008-11-20 04:00:00	Rc:0.03	0.35			0.06
2008-11-23 13:00:00	Tc:5	8			13
	Qp:0.06	0.64	NDF	NP	0.07
2008-11-30 20:00:00	Rc:NDF	0.22		0.13	
2008-12-03 15:00:00	Tc:NDF	30		15	
	Qp:NDF	0.1	NDF	0.07	NDF
2008-12-20 02:00:00	Rc:0.12	1			
2008-12-22 16:00:00	Tc:5	2			
	Qp:0.26	3.66	NDF	NDF	strange flow
2009-01-19 19:00:00	Rc:NDF	0.12	0.54		
2009-01-26 10:00:00	Tc:NDF	9	40		
	Qp:NDF	0.14	0.09	NDF	strange flow
2009-01-23 07:00:00	Rc:NDF	0.65			0.31
2009-01-26 04:00:00	Tc:NDF	10			30
	Qp:NDF	0.29	NP	NP	0.05
2009-02-26 11:00:00	Rc:0.44	0.46			
2009-03-05 03:00:00	Tc:8	30			
	Qp:0.44	0.29	NDF	NDF	strange flow
2009-03-06 14:00:00	Rc:0.13				0.28
2009-03-09 08:00:00	Tc:8				7
	Qp:0.22	NDF	NP	NDF	0.54
2009-03-12 17:00:00	Rc:0.15	0.67			
2009-03-18 22:00:00	Tc:10	18			
	Qp:0.18	0.59	NDF	NDF	MP
2009-03-23 17:00:00	Rc:NDF	0.16			0.35
2009-03-25 00:00:00	Tc:NDF	5			20
	Qp:NDF	0.21	NP	NP	0.14
2009-03-28 21:00:00	Rc:0.15		0.29		0.23
2009-04-02 12:00:00	Tc:5		30		15
	Qp:0.34	NDF	0.15	NDF	0.33
2009-05-03 22:00:00	Rc:0.04	0.59			
2009-05-05 09:00:00	Tc:3	3			
	Qp:0.04	2.32	NDF	NP	NP
2009-05-11 13:00:00	Rc:0.02	0.22			0.02
2009-05-15 10:00:00	Tc:2	15	NDF	NDF	5

	Qp:0.04	0.29			0.04
2009-05-18 13:00:00	Rc:0.01 Tc:1				0.02 3
2009-05-20 09:00:00	Qp:0.07	NDF	NDF	NDF	0.03
2009-05-26 13:00:00	Rc:NP Tc:NP	0.29 3			0.01 7
2009-05-28 06:00:00	Qp:NP	1.93	NDF	NDF	0.02
2009-05-28 18:00:00	Rc:0.03 Tc:4	0.1 6			0.01 2
2009-05-29 17:00:00	Qp:0.03	0.16	NP	NP	0.02
2009-05-29 23:00:00	Rc:0.01 Tc:1				0.08 6
2009-05-31 12:00:00	Qp:0.03	NP	NP	NDF	0.25
2009-06-02 07:00:00	Rc:NP Tc:NP				0.1 8
2009-06-04 16:00:00	Qp:NP	NDF	NDF	NDF	0.13
2009-06-06 06:00:00	Rc:NP Tc:NP	0.27 3			
2009-06-07 11:00:00	Qp:NP	1.62	NDF	NDF	NP
2009-06-07 16:00:00	Rc:NP Tc:NP	0.31 4			
2009-06-08 23:00:00	Qp:NP	0.51	NDF	NP	NP
2009-06-15 16:00:00	Rc:NP Tc:NP	0.48 2		0.05 25	
2009-06-19 01:00:00	Qp:NP	5.25	NP	0.05	NP
2009-06-18 19:00:00	Rc:0.01 Tc:2	0.33 3	0.09 5	0.04 50	0.02 5
2009-06-23 05:00:00	Qp:0.07	1.47	0.47	0.05	0.05
2009-06-22 01:00:00	Rc:0.1 Tc:1	0.57 3		0.06 25	0.28 2
2009-06-25 16:00:00	Qp:0.94	2.74	NDF	0.05	2.68
2009-06-26 10:00:00	Rc:0.04 Tc:3	0.38 5			0.28 2
2009-06-28 19:00:00	Qp:0.18	0.55	NDF	NDF	1.1
2009-06-27 18:00:00	Rc:0.09 Tc:2				0.43 5
2009-06-30 07:00:00	Qp:0.64	NP	NDF	NDF	1.44
2009-07-04 21:00:00	Rc:NP Tc:NP	0.25 1	0.08 6		
2009-07-06 12:00:00	Qp:NP	5.01	0.13	NP	NP
2009-07-06 03:00:00	Rc:0.01 Tc:1	0.31 5			0.16 1
2009-07-07 09:00:00	Qp:0.04	0.59	NP	NP	3.49

2009-07-07 12:00:00	Rc:0.02 Tc:3	0.6 4	0.07 8	0.04 8	0.2 8
2009-07-09 13:00:00	Qp:0.04	1.26	0.15	0.05	0.43
2009-07-15 08:00:00	Rc:0.01 Tc:1	0.28 5			
2009-07-16 15:00:00	Qp:0.06	0.22	NP	NP	NP
2009-07-17 05:00:00	Rc:0.03 Tc:3	0.62 2	0.07 5	0.07 25	0.06 4
2009-07-21 13:00:00	Qp:0.13	5.29	0.44	0.08	0.25
2009-07-23 09:00:00	Rc:0.02 Tc:2	0.55 4.58	0.07 5		0.07 7.24
2009-07-27 14:00:00	Qp:0.05	3.49	0.14	NDF	0.17
2009-07-27 19:00:00	Rc:NP Tc:NP	0.55 2			
2009-07-29 01:00:00	Qp:NP	4.97	NDF	NP	NP
2009-08-03 14:00:00	Rc:0.02 Tc:3	0.5 2	0.04 7		0.04 12
2009-08-06 07:00:00	Qp:0.06	6.43	0.14	NDF	0.08
2009-08-08 12:00:00	Rc:NP Tc:NP	0.21 2			
2009-08-09 17:00:00	Qp:NP	0.94	NP	NP	NP
2009-08-10 07:00:00	Rc:0.03 Tc:8	0.22 6	0.12 25		
2009-08-12 09:00:00	Qp:0.11	0.52	0.09	NP	NP
2009-08-13 05:00:00	Rc:0.02 Tc:2		0.15 27		0.05 15
2009-08-15 13:00:00	Qp:0.04	NP	0.09	NDF	0.03
2009-08-21 16:00:00	Rc:0.03 Tc:8	0.09 5	0.09 10		0.02 4
2009-08-24 15:00:00	Qp:0.12	0.2	0.12	NDF	0.05
2009-08-28 13:00:00	Rc:0.05 Tc:7	0.1 8	0.04 4		0.02 7
2009-08-31 07:00:00	Qp:0.14	0.15	0.11	NDF	0.07
2009-09-01 20:00:00	Rc:NP Tc:NP	0.26 2			
2009-09-02 11:00:00	Qp:NP	1.61	NP	NP	NP
2009-09-02 14:00:00	Rc:NP Tc:NP	0.19 3	0.04 4		
2009-09-03 12:00:00	Qp:NP	1.08	0.08	NP	NP
2009-09-03 10:00:00	Rc:0.04 Tc:13	0.46 5	0.09 20		0.05 20
2009-09-07 13:00:00	Qp:0.06	0.88	0.09	NDF	0.03
2009-09-13 18:00:00	Rc:NDF Tc:NDF	0.13 6			
2009-09-15 19:00:00			MP	NDF	NDF

	Qp:NDF	0.22			
2009-09-17 01:00:00	Rc:0.02		0.36		
	Tc:4		15		
2009-09-19 08:00:00	Qp:0.06	NDF	0.3	NDF	NDF
2009-10-10 17:00:00	Rc:MQ	0.27	0.09		
	Tc:MQ	3	7		
2009-10-11 19:00:00	Qp:MQ	0.61	0.08	MP	NP
2009-10-12 03:00:00	Rc:MQ	0.39			0.01
	Tc:MQ	3			3
2009-10-14 22:00:00	Qp:MQ	1.39	NP	MP	0.02
2009-11-02 05:00:00	Rc:MQ	0.5			0.05
	Tc:MQ	5			16
2009-11-06 07:00:00	Qp:MQ	1.36	NDF	NDF	0.04
2009-11-17 21:00:00	Rc:MQ	0.36			
	Tc:MQ	4			
2009-11-19 08:00:00	Qp:MQ	1.82	NDF	NP	NP
2009-12-07 01:00:00	Rc:MQ	1			
	Tc:MQ	7			
2009-12-09 23:00:00	Qp:MQ	1.55	NDF	NDF	NDF
2009-12-10 06:00:00	Rc:MQ	1			0.08
	Tc:MQ	5			10
2009-12-14 23:00:00	Qp:MQ	1.55	NP	NP	0.05
2009-12-24 10:00:00	Rc:MQ	0.93	0.31	0.11	
	Tc:MQ	10	10	30	
2009-12-27 09:00:00	Qp:MQ	0.89	0.29	0.07	strange flow
2009-12-29 16:00:00	Rc:MQ	0.66			
	Tc:MQ	4			
2010-01-01 05:00:00	Qp:MQ	1.91	NP	NP	NP
2010-01-01 21:00:00	Rc:0.24				
	Tc:25				
2010-01-03 17:00:00	Qp:0.04	NDF	NP	NP	NP
2010-02-05 06:00:00	Rc:MQ	0.07			
	Tc:MQ	7			
2010-02-08 18:00:00	Qp:MQ	0.17	NP	NP	NP
2010-02-26 03:00:00	Rc:0.62				
	Tc:3				
2010-02-28 08:00:00	Qp:0.57	melt wave	NDF	NDF	melt wave
2010-03-21 05:00:00	Rc:NP	1			
	Tc:NP	9			
2010-03-23 08:00:00	Qp:NP	1.59	NDF	NP	NP
2010-03-30 18:00:00	Rc:0.03				
	Tc:3				
2010-04-01 13:00:00	Qp:0.05	NDF	NDF	NDF	NDF

2010-04-13 16:00:00	Rc:0.09 Tc:8				0.23 6
2010-04-18 01:00:00	Qp:0.16	NDF	NDF	NDF	0.45
2010-05-01 10:00:00	Rc:0.03 Tc:3	0.52 7			0.06 5
2010-05-04 18:00:00	Qp:0.04	1.59	NDF	NDF	0.14
2010-05-04 22:00:00	Rc:NP Tc:NP	0.36 7	0.36 16		
2010-05-08 15:00:00	Qp:NP	0.8	1.02	NDF	NDF
2010-05-13 06:00:00	Rc:0.02 Tc:3	0.69 16			0.12 3
2010-05-15 11:00:00	Qp:0.06	0.6	NDF	NDF	0.72
2010-05-15 11:00:00	Rc:NDF Tc:NDF	0.51 10			0.3 6
2010-05-18 11:00:00	Qp:NDF	1.25	NP	NP	0.98
2010-05-17 23:00:00	Rc:0.03 Tc:2	0.47 6			
2010-05-18 22:00:00	Qp:0.04	0.75	NP	NP	NP
2010-05-20 20:00:00	Rc:NDF Tc:NDF				0.27 5
2010-05-22 12:00:00	Qp:NDF	NDF	NP	NP	0.73
2010-05-22 09:00:00	Rc:0.01 Tc:1				0.34 3
2010-05-24 19:00:00	Qp:0.04	NP	NP	NP	1.76
2010-05-26 10:00:00	Rc:0.01 Tc:1	0.28 5	0.67 45		0.02 3
2010-05-29 12:00:00	Qp:0.15	0.84	0.36	NP	0.12
2010-05-30 02:00:00	Rc:0.03 Tc:4	0.76 4			
2010-05-31 22:00:00	Qp:0.03	3.24	NP	NP	NP
2010-06-01 18:00:00	Rc:0.05 Tc:2	0.91 2			0.28 4
2010-06-05 07:00:00	Qp:0.29	5.78	NP	NP	0.95
2010-06-12 17:00:00	Rc:0.02 Tc:2	0.22 5	0.25 20		0.06 2
2010-06-16 00:00:00	Qp:0.07	0.59	0.19	NP	0.76
2010-06-15 14:00:00	Rc:0.05 Tc:6		0.16 10		0.26 5
2010-06-17 19:00:00	Qp:0.11	NDF	0.24	NDF	0.67
2010-06-17 18:00:00	Rc:0.07 Tc:10	0.58 1	0.29 40	0.04 20	0.31 10
2010-06-23 13:00:00	Qp:0.07	5.39	0.22	0.06	0.31
2010-06-25 03:00:00	Rc:0.04				
2010-06-26 06:00:00	Tc:3	NP	NP	NP	NDF

	Qp:0.09				
2010-07-11 13:00:00	Rc:NP		0.03		
2010-07-12 07:00:00	Tc:NP		2		
	Qp:NP	NP	0.13	NP	NP
2010-07-12 14:00:00	Rc:NP		0.26		
2010-07-13 08:00:00	Tc:NP		8		
	Qp:NP	NP	0.13	NP	NP
2010-07-12 19:00:00	Rc:NP	0.12	0.04		
2010-07-14 14:00:00	Tc:NP	4	4		
	Qp:NP	0.62	0.15	NDF	NP
2010-07-15 20:00:00	Rc:0.02				0.02
2010-07-16 11:00:00	Tc:2				3
	Qp:0.03	NP	NP	NP	0.03
2010-07-17 11:00:00	Rc:0.01	0.36	0.06		0.04
2010-07-19 12:00:00	Tc:2	1	15		3
	Qp:0.08	5.13	0.09	NP	0.22
2010-07-23 07:00:00	Rc:0.01	0.5	0.06		0.03
2010-07-24 23:00:00	Tc:2	3	8		3
	Qp:0.07	3.39	0.11	NDF	0.12
2010-07-24 03:00:00	Rc:0.04	1			0.08
2010-07-27 06:00:00	Tc:4	3			7
	Qp:0.03	5.45	NP	NP	0.16
2010-07-27 00:00:00	Rc:NP	0.66			
2010-07-28 05:00:00	Tc:NP	3			
	Qp:NP	1.63	NP	NP	NP
2010-07-28 19:00:00	Rc:0.02	0.64	0.06	0.03	0.06
2010-07-31 22:00:00	Tc:2	3	13	40	2
	Qp:0.06	4.31	0.08	0.03	0.47
2010-08-01 20:00:00	Rc:NP	0.2			
2010-08-02 14:00:00	Tc:NP	8			
	Qp:NP	0.4	NP	NP	NP
2010-08-02 10:00:00	Rc:0.04	0.59			
2010-08-05 10:00:00	Tc:15	8			
	Qp:0.06	1.01	NP	NP	NP
2010-08-05 06:00:00	Rc:NP	0.8	0.04	0.05	0.03
2010-08-07 19:00:00	Tc:NP	2	5	23	6
	Qp:NP	8.4	0.13	0.04	0.06
2010-08-06 17:00:00	Rc:0.07				0.24
2010-08-09 13:00:00	Tc:5				6
	Qp:0.18	NDF	NDF	NDF	0.77
2010-08-12 01:00:00	Rc:0.02	0.18	0.07	0.03	0.02
2010-08-14 18:00:00	Tc:2	15	6	12	3
	Qp:0.06	0.18	0.15	0.05	0.07

2010-08-14 14:00:00	Rc:NP	0.31	0.13	0.05	
2010-08-16 15:00:00	Tc:NP	9	3	10	
	Qp:NP	0.45	0.68	0.05	NP
2010-08-16 10:00:00	Rc:0.03	0.45			
2010-08-18 22:00:00	Tc:1	6			
	Qp:0.03	1.05	NP	NP	NP
2010-08-20 20:00:00	Rc:NP	1			
2010-08-21 16:00:00	Tc:NP	1			
	Qp:NP	10.37	NP	NP	NP
2010-08-23 12:00:00	Rc:0.02	0.26	0.04	0.03	0.03
2010-08-25 20:00:00	Tc:4	5	5	15	7
	Qp:0.06	0.81	0.18	0.03	0.07
2010-08-27 07:00:00	Rc:	0.52	0.08	0.06	0.11
2010-08-29 22:00:00	Tc:	2	5	35	15
	Qp:	4.58	0.18	0.03	0.04
2010-08-28 06:00:00	Rc:0.04	0.74	0.12	0.08	0.12
2010-08-31 23:00:00	Tc:5	2	12	35	35
	Qp:0.13	3.02	0.15	0.03	0.04
2010-08-30 01:00:00	Rc:0.09	1			0.1
2010-09-01 18:00:00	Tc:15	2			15
	Qp:0.05	3.25	NP	NP	0.08
2010-09-08 11:00:00	Rc:NP	0.26			0.06
2010-09-09 21:00:00	Tc:NP	4			15
	Qp:NP	0.67	NP	NP	0.03
2010-09-12 20:00:00	Rc:NDF	0.49			
2010-09-14 23:00:00	Tc:NDF	8			
	Qp:NDF	1.19	NDF	NP	NDF
2010-09-16 02:00:00	Rc:NDF	0.15	0.08	0.03	0.03
2010-09-20 10:00:00	Tc:NDF	12	6	8	8
	Qp:NDF	0.16	0.14	0.12	0.02
2010-09-24 16:00:00	Rc:0.02	0.51	0.14	0.05	0.04
2010-09-28 03:00:00	Tc:3	3	20	25	6
	Qp:0.05	2.84	0.39	0.05	0.09
2010-09-29 10:00:00	Rc:0.08	0.13			
2010-10-02 09:00:00	Tc:8	8			
	Qp:0.03	0.14	NP	NP	NP
2010-10-16 05:00:00	Rc:0.03	0.24		0.14	0.05
2010-10-19 00:00:00	Tc:3	8		30	28
	Qp:0.03	0.2	MP	0.04	0.02
2010-10-19 22:00:00	Rc:0.03	0.29			
2010-10-22 07:00:00	Tc:3	18			
	Qp:0.03	0.35	NP	NP	NP
2010-10-24 04:00:00	Rc:0.03	0.45		0.04	0.15
2010-10-27 10:00:00	Tc:3	25	NDF	18	20

	Qp:0.03	0.28		0.06	0.03
2010-11-07 14:00:00	Rc:NDF	0.12		0.06	0.18
	Tc:NDF	15		18	6
2010-11-12 01:00:00	Qp:NDF	0.13	NDF	0.1	0.02
2010-11-11 20:00:00	Rc:0.02	0.64			
	Tc:2	6			
2010-11-14 21:00:00	Qp:0.03	1.07	NDF	NP	strange flow
2010-11-15 17:00:00	Rc:NDF	0.23	0.22		
	Tc:NDF	6	20		
2010-11-18 17:00:00	Qp:NDF	0.56	0.33	NDF	NP
2011-01-12 14:00:00	Rc:0.25	1			0.18
	Tc:3	3			5
2011-01-16 00:00:00	Qp:0.48	3.05	NDF	NDF	0.21
2011-02-26 19:00:00	Rc:NP	0.44			
	Tc:NP	20			
2011-03-04 03:00:00	Qp:NP	0.13	NDF	NDF	NP
2011-03-16 09:00:00	Rc:0.06	0.64		0.06	0.12
	Tc:12	5		20	5
2011-03-20 08:00:00	Qp:0.07	3.59	NDF	0.06	0.23
2011-04-04 06:00:00	Rc:NDF	0.66	0.22		
	Tc:NDF	1	15		
2011-04-05 11:00:00	Qp:NDF	4.07	0.27	NDF	NP
2011-04-12 07:00:00	Rc:NP	0.32			
	Tc:NP	4			
2011-04-14 11:00:00	Qp:NP	0.44	NDF	NDF	NDF
2011-05-01 04:00:00	Rc:0.03	0.12			
	Tc:4	15			
2011-05-05 13:00:00	Qp:0.02	0.13	NDF	NDF	NDF
2011-05-12 16:00:00	Rc:MQ				0.01
	Tc:MQ				5
2011-05-14 02:00:00	Qp:MQ	NDF	NDF	NDF	0.02
2011-05-14 11:00:00	Rc:MQ	0.43	0.25	0.04	0.02
	Tc:MQ	5	35	35	9
2011-05-17 05:00:00	Qp:MQ	1.96	0.31	0.03	0.02
2011-05-26 22:00:00	Rc:0.02	0.4	0.19	0.03	0.01
	Tc:5	9	20	17	2
2011-05-30 08:00:00	Qp:0.08	0.73	0.52	0.05	0.07
2011-05-31 14:00:00	Rc:0.02	0.41			0.02
	Tc:3	3			7
2011-06-04 04:00:00	Qp:0.02	2.8	NDF	NDF	0.06
2011-06-06 10:00:00	Rc:NP	0.36	0.42		
	Tc:NP	8	18		
2011-06-07 13:00:00	Qp:NP	0.27	0.28	NDF	NP

2011-06-07 12:00:00	Rc:0.02 Tc:4	0.36 4	0.29 20	0.02 10	0.03 15
2011-06-10 14:00:00	Qp:0.02	0.9	0.42	0.04	0.02
2011-06-17 19:00:00	Rc:0.01 Tc:4	0.81 2	0.12 12	0.02 12	0.03 15
2011-06-20 21:00:00	Qp:0.02	6.67	0.38	0.08	0.03
2011-06-22 16:00:00	Rc:NP Tc:NP	0.25 8	0.17 8		0.03 4
2011-06-25 15:00:00	Qp:NP	0.6	0.56	NDF	0.13
2011-06-29 23:00:00	Rc:NP Tc:NP	0.45 1			
2011-07-01 03:00:00	Qp:NP	6.94	NP	NP	NP
2011-07-05 01:00:00	Rc:0.01 Tc:1	0.17 5			
2011-07-09 12:00:00	Qp:0.03	0.54	NDF	NDF	NDF
2011-07-10 21:00:00	Rc:0.01 Tc:1		0.08 9	0.05 10	
2011-07-13 12:00:00	Qp:0.02	MP	0.12	0.06	NP
2011-07-13 04:00:00	Rc:NDF Tc:NDF	0.86 3	0.07 6	0.07 10	
2011-07-17 13:00:00	Qp:NDF	4.43	0.22	0.07	NP
2011-07-17 11:00:00	Rc:NDF Tc:NDF	0.31 4			
2011-07-18 18:00:00	Qp:NDF	1.08	NDF	NDF	NDF
2011-07-19 15:00:00	Rc:NP Tc:NP	0.74 4			
2011-07-21 12:00:00	Qp:NP	2.13	NDF	NDF	NDF
2011-07-21 00:00:00	Rc:0.01 Tc:2	0.36 6	0.24 25		0.02 10
2011-07-23 17:00:00	Qp:0.02	0.89	0.11	NDF	0.01
2011-07-23 06:00:00	Rc:0.01 Tc:3	0.59 3	0.24 30	0.04 20	0.03 10
2011-07-27 11:00:00	Qp:0.03	2.1	0.19	0.07	0.03
2011-07-30 17:00:00	Rc:NDF Tc:NDF				0.04 25
2011-08-03 02:00:00	Qp:NDF	NP	NP	NP	0.03
2011-08-03 11:00:00	Rc:0.02 Tc:4	0.11 7	0.11 10	0.05 20	0.07 22
2011-08-06 01:00:00	Qp:0.06	0.18	0.1	0.04	0.02
2011-08-05 13:00:00	Rc:NP Tc:NP	0.16 15	0.09 10		
2011-08-06 21:00:00	Qp:NP	0.08	0.11	NP	NP
2011-08-07 00:00:00	Rc:0.01	0.47	0.12	0.05	
2011-08-11 12:00:00	Tc:2	3	6	4	strange flow

	Qp:0.03	2.47	0.36	0.22	
2011-08-14 18:00:00	Rc:NDF	0.29	0.09		0.03
	Tc:NDF	6	6		24
2011-08-18 02:00:00	Qp:NDF	0.82	0.15	NDF	0.02
2011-08-27 00:00:00	Rc:0.01	0.18	0.11		
	Tc:2	4	14		
2011-08-29 14:00:00	Qp:0.02	0.57	0.09	NDF	NDF
2011-09-02 15:00:00	Rc:NP			0.07	
	Tc:NP			9	
2011-09-03 17:00:00	Qp:NP	NDF	NP	0.06	NP
2011-09-04 15:00:00	Rc:NP	0.45			0.01
	Tc:NP	3			4
2011-09-07 06:00:00	Qp:NP	2.61	NDF	NDF	0.03
2011-09-08 19:00:00	Rc:0.01	0.19			
	Tc:2	4			
2011-09-13 09:00:00	Qp:0.02	0.58	NP	NP	NDF
2011-09-14 05:00:00	Rc:NP	0.43	0.04	0.05	0.03
	Tc:NP	12	12	15	17
2011-09-16 02:00:00	Qp:NP	0.27	0.08	0.04	0.01
2011-09-16 22:00:00	Rc:NP	0.26			
	Tc:NP	4			
2011-09-17 16:00:00	Qp:NP	0.88	NP	NP	NP
2011-09-17 16:00:00	Rc:NP	0.31			
	Tc:NP	4			
2011-09-18 06:00:00	Qp:NP	1.49	NP	NP	NP
2011-09-18 04:00:00	Rc:0.01	1	0.09		0.03
	Tc:2	4	4		10
2011-09-23 15:00:00	Qp:0.05	4.19	0.78	MP	0.05
2011-10-06 16:00:00	Rc:0.01				
	Tc:1				
2011-10-07 17:00:00	Qp:0.03	MP	MP	MP	MP
2011-10-10 02:00:00	Rc:0.02				
	Tc:4				
2011-10-11 17:00:00	Qp:0.02	MP	NDF	NP	MP
2011-10-12 09:00:00	Rc:0.03				
	Tc:3				
2011-10-14 17:00:00	Qp:0.11	MP	NP	NP	MP
2011-11-06 10:00:00	Rc:NP		0.8		
	Tc:NP		65		
2011-11-13 03:00:00	Qp:NP	NP	0.19	NP	NP
2011-12-05 01:00:00	Rc:NDF	0.19			
	Tc:NDF	4			
2011-12-06 15:00:00	Qp:NDF	0.39	NP	NDF	NDF

2011-12-07 07:00:00	Rc:0.02	1			
2011-12-09 13:00:00	Tc:2	8			
	Qp:0.04	0.56	NDF	NP	NDF
2011-12-12 11:00:00	Rc:0.01	0.22			
2011-12-14 09:00:00	Tc:2	10			
	Qp:0.02	0.15	NDF	NDF	NDF
2011-12-16 04:00:00	Rc:0.1	0.86			0.1
2011-12-19 14:00:00	Tc:25	4			1
	Qp:0.03	1.18	NDF	NDF	0.05
2011-12-21 09:00:00	Rc:NDF	1			
2011-12-24 04:00:00	Tc:NDF	2			
	Qp:NDF	2.06	NP	NP	NDF
2011-12-31 03:00:00	Rc:NDF	1			
2012-01-02 13:00:00	Tc:NDF	4			
	Qp:NDF	3.04	NP	NP	NDF
2012-01-02 13:00:00	Rc:NDF	0.51			
2012-01-03 19:00:00	Tc:NDF	8			
	Qp:NDF	0.73	NDF	NDF	NDF
2012-01-04 05:00:00	Rc:NDF	0.37			
2012-01-05 11:00:00	Tc:NDF	6			
	Qp:NDF	0.39	NP	NDF	NDF
2012-01-05 01:00:00	Rc:0.1	0.11			
2012-01-08 00:00:00	Tc:31.99	7			
	Qp:0.03	0.26	NDF	NDF	NDF
2012-01-19 04:00:00	Rc:0.14				0.2
2012-01-21 15:00:00	Tc:5				12
	Qp:0.27	strange flow	NP	NP	0.13
2012-01-20 21:00:00	Rc:0.14	0.92			0.19
2012-01-23 20:00:00	Tc:10	12			6
	Qp:0.15	0.7	NP	NP	0.25
2012-02-25 11:00:00	Rc:MP	0.61			
2012-02-27 22:00:00	Tc:MP	10			
	Qp:MP	0.74	NDF	NDF	NDF
2012-04-11 04:00:00	Rc:0.01	0.21		0.03	
2012-04-13 14:00:00	Tc:2	13		20	
	Qp:0.02	0.41	NDF	0.03	NDF
2012-04-15 21:00:00	Rc:NDF				0.14
2012-04-19 09:00:00	Tc:NDF				10
	Qp:NDF	NDF	NDF	NDF	0.15
2012-05-03 17:00:00	Rc:0.01				0.01
2012-05-05 08:00:00	Tc:2				5
	Qp:0.04	NDF	NDF	NDF	0.04
2012-05-12 01:00:00	Rc:0.01	0.33		0.02	
2012-05-14 03:00:00	Tc:2	5	NDF	15	NDF

	Qp:0.02	1.1		0.04	
2012-05-22 19:00:00	Rc:0.01	0.29			
	Tc:1	5			
2012-05-25 13:00:00	Qp:0.03	0.69	NDF	NDF	NDF
2012-05-31 20:00:00	Rc:0.01				
	Tc:2				
2012-06-02 15:00:00	Qp:0.03	NDF	NDF	NDF	NDF
2012-06-03 15:00:00	Rc:0.01	0.52	0.07		
	Tc:2	2	7		
2012-06-06 14:00:00	Qp:0.03	5.45	0.19	NDF	NDF
2012-06-07 18:00:00	Rc:0.01	0.39			0.01
	Tc:3	4			3
2012-06-11 12:00:00	Qp:0.02	1.6	NP	NP	0.03
2012-06-11 10:00:00	Rc:0.01	0.49	0.1		0.08
	Tc:2	3	15		3
2012-06-14 16:00:00	Qp:0.04	2.2	0.19	NP	0.51
2012-06-20 12:00:00	Rc:0.01		0.05		0.03
	Tc:1		4		2
2012-06-21 14:00:00	Qp:0.03	NDF	0.16	NP	0.17
2012-06-21 18:00:00	Rc:NP	0.12	0.04	0.02	
	Tc:NP	13	6	10	
2012-06-23 20:00:00	Qp:NP	0.14	0.13	0.02	NP
2012-06-22 16:00:00	Rc:0.01		0.06		0.02
	Tc:2		8		12
2012-06-24 13:00:00	Qp:0.03	NP	0.11	NDF	0.03
2012-06-24 16:00:00	Rc:0.01	0.37		0.04	0.03
	Tc:2	4		18	8
2012-06-26 14:00:00	Qp:0.02	2.06	NDF	0.02	0.03
2012-07-03 16:00:00	Rc:NP	0.18			0.02
	Tc:NP	4			3
2012-07-05 19:00:00	Qp:NP	1.33	NP	NP	0.05
2012-07-06 22:00:00	Rc:NP	0.3			0.01
	Tc:NP	6			15
2012-07-09 00:00:00	Qp:NP	0.54	NP	NP	0.02
2012-07-08 19:00:00	Rc:NP	0.29	0.03		
	Tc:NP	7	2		
2012-07-10 13:00:00	Qp:NP	0.54	0.13	NDF	NDF
2012-07-11 11:00:00	Rc:NDF		0.05		
	Tc:NDF		3		
2012-07-12 09:00:00	Qp:NDF	NP	0.2	NDF	NP
2012-07-12 18:00:00	Rc:NDF		0.13	0.02	
	Tc:NDF		5	15	
2012-07-14 16:00:00	Qp:NDF	NDF	0.32	0.04	NDF

2012-07-14 17:00:00	Rc:0.02	0.2		0.03	
2012-07-18 00:00:00	Tc:2	5		22	
	Qp:0.01	0.32	NDF	0.07	NDF
2012-07-19 14:00:00	Rc:0				
2012-07-20 08:00:00	Tc:1				
	Qp:0.03	NP	NDF	NDF	NDF
2012-07-20 07:00:00	Rc:0.01	0.21	0.23		0.02
	Tc:2	12	12		7
2012-07-24 05:00:00	Qp:0.03	0.15	0.76	strange flow	0.04
2012-07-25 04:00:00	Rc:0.01				0.04
	Tc:2				5
2012-07-26 22:00:00	Qp:0.02	NP	NDF	NDF	0.15
2012-07-26 03:00:00	Rc:0.01				
	Tc:2				
2012-07-26 16:00:00	Qp:0.04	NP	NP	NP	NP
2012-07-26 12:00:00	Rc:0.01				
	Tc:3				
2012-07-27 19:00:00	Qp:0.04	NP	NP	NP	NP
2012-07-28 09:00:00	Rc:0.02	0.09	0.11		
	Tc:12	5	4		
2012-07-31 14:00:00	Qp:0.03	0.16	0.17	NDF	NP
2012-07-30 15:00:00	Rc:NP		0.06		
	Tc:NP		4		
2012-08-01 07:00:00	Qp:NP	NP	0.21	NDF	NP
2012-08-02 19:00:00	Rc:0.01	0.1	0.06		0.01
	Tc:2	8	8		6
2012-08-05 19:00:00	Qp:0.03	0.09	0.13	NDF	0.03
2012-08-06 12:00:00	Rc:NDF	0.27			
	Tc:NDF	3			
2012-08-07 20:00:00	Qp:NDF	1.7	NDF	NDF	NDF
2012-08-20 12:00:00	Rc:NP	0.07			
	Tc:NP	4			
2012-08-21 16:00:00	Qp:NP	0.23	NP	NP	NP
2012-08-22 20:00:00	Rc:NDF	0.06			
	Tc:NDF	4			
2012-08-23 15:00:00	Qp:NDF	0.23	NDF	NDF	NDF
2012-08-23 15:00:00	Rc:0	0.18			
	Tc:1	10			
2012-08-24 21:00:00	Qp:0.02	0.27	NP	NP	NP
2012-08-24 21:00:00	Rc:NP	0.32			
	Tc:NP	3			
2012-08-25 14:00:00	Qp:NP	1.73	NP	NP	NP
2012-08-25 14:00:00	Rc:0.01	0.56	0.04		0.01
2012-08-27 13:00:00	Tc:1	2	4	NDF	4

	Qp:0.03	5.62	0.13		0.01
2012-08-30 12:00:00	Rc:0.01	0.36	0.1	0.05	0.02
	Tc:1	4	6	20	10
2012-09-04 03:00:00	Qp:0.03	1.19	0.28	0.07	0.02
2012-09-05 11:00:00	Rc:0.02	0.1			0
	Tc:6	5			2
2012-09-07 13:00:00	Qp:0.04	0.13	NP	NP	0.03
2012-09-12 00:00:00	Rc:0.02	0.58	0.07	0.08	0.03
	Tc:4	8	6	100	8
2012-09-17 09:00:00	Qp:0.07	1.98	0.37	0.06	0.07
2012-09-18 18:00:00	Rc:0.01	0.33	0.06		0.03
	Tc:1	3	5		7
2012-09-21 15:00:00	Qp:0.03	2.06	0.2	NDF	0.1
2012-09-21 21:00:00	Rc:NDF	0.44			
	Tc:NDF	6			
2012-09-23 21:00:00	Qp:NDF	1.28	NP	NP	NP
2012-09-24 09:00:00	Rc:NDF	0.31	0.06		
	Tc:NDF	15	3		
2012-09-26 09:00:00	Qp:NDF	0.3	0.27	NDF	NDF
2012-09-26 10:00:00	Rc:NP	0.32	0.18		
	Tc:NP	4	15		
2012-09-28 16:00:00	Qp:NP	1.23	0.26	NDF	NP
2012-10-07 04:00:00	Rc:0.01				
	Tc:1				
2012-10-08 10:00:00	Qp:0.03	MP	NP	NP	MP
2012-10-12 11:00:00	Rc:0.02				
	Tc:2				
2012-10-15 07:00:00	Qp:0.02	MP	NP	NP	MP
2012-10-16 00:00:00	Rc:0.02				
	Tc:2				
2012-10-19 18:00:00	Qp:0.03	MP	MP	MP	NP
2012-11-04 15:00:00	Rc:0.01	0.33	0.37		0.05
	Tc:2	4	6		8
2012-11-08 06:00:00	Qp:0.02	1.16	0.96	NDF	0.08
2012-11-10 21:00:00	Rc:0.04	0.5	0.25		
	Tc:32.35	4	15		
2012-11-14 23:00:00	Qp:0.02	1.43	0.93	NDF	NDF
2012-12-22 19:00:00	Rc:0.1	0.91			
	Tc:10	6			
2012-12-26 01:00:00	Qp:0.13	2.28	NDF	NDF	strange flow
2012-12-27 12:00:00	Rc:0.02	0.36			0.17
	Tc:3	8			12
2012-12-30 11:00:00	Qp:0.03	0.41	NP	NP	0.09

2013-01-03 20:00:00	Rc:0.17 Tc:10	0.71 7			0.23 7
2013-01-09 14:00:00	Qp:0.25	0.91	NDF	NP	0.48
2013-01-29 08:00:00	Rc:0.27 Tc:5	1 2			0.52 10
2013-01-31 16:00:00	Qp:0.74	1.63	NDF	NDF	0.68
2013-02-01 04:00:00	Rc:0.09 Tc:10	0.54 2			0.11 15
2013-02-04 00:00:00	Qp:0.08	2.49	NP	NDF	0.12
2013-02-04 08:00:00	Rc:0.17 Tc:15				
2013-02-07 11:00:00	Qp:0.07	strange flow	NP	NP	NP
2013-04-18 20:00:00	Rc:0.04 Tc:3				0.18 15
2013-04-22 19:00:00	Qp:0.13	melt wave	melt wave	NP	0.21
2013-05-02 14:00:00	Rc:NDF Tc:NDF	0.33 6			0.02 4
2013-05-04 23:00:00	Qp:NDF	1.03	melt wave	NP	0.06
2013-05-07 00:00:00	Rc:0.01 Tc:1				0.03 6
2013-05-08 12:00:00	Qp:0.05	melt wave	NDF	NDF	0.04
2013-05-11 07:00:00	Rc:0.04 Tc:2	0.57 8			
2013-05-13 13:00:00	Qp:0.07	0.64	NDF	NDF	strange flow
2013-05-17 17:00:00	Rc:0.03 Tc:1		0.21 12		
2013-05-20 01:00:00	Qp:0.15	NDF	0.49	NDF	NP
2013-05-21 17:00:00	Rc:NDF Tc:NDF	0.41 4			
2013-05-24 23:00:00	Qp:NDF	1.48	NDF	NDF	NDF
2013-05-26 15:00:00	Rc:0.06 Tc:10	0.55 12			
2013-05-29 22:00:00	Qp:0.04	0.72	NDF	NDF	NDF
2013-05-30 17:00:00	Rc:0.19 Tc:2	0.98 2			0.17 12
2013-06-02 00:00:00	Qp:0.46	7.77	NDF	NDF	0.15
2013-06-01 09:00:00	Rc:0.24 Tc:1	1 2			0.24 2
2013-06-06 04:00:00	Qp:1.3	11.15	NDF	NDF	0.89
2013-06-09 15:00:00	Rc:0.05 Tc:1		0.35 25		
2013-06-12 08:00:00	Qp:0.21	MP	0.28	NP	MP
2013-06-22 10:00:00	Rc:0.03 Tc:0.5				
2013-06-23 03:00:00		NDF	NDF	NDF	NDF

	Qp:0.51				
2013-06-23 16:00:00	Rc:0.33 Tc:1	0.48 3	0.12 10		0.17 4
2013-06-27 06:00:00	Qp:3.05	2.63	0.39	NDF	1.81
2013-06-27 12:00:00	Rc:NP Tc:NP	0.17 6	0.19 16		
2013-06-29 03:00:00	Qp:NP	0.51	0.22	NP	NP
2013-06-29 09:00:00	Rc:NP Tc:NP	0.5 4			
2013-07-01 05:00:00	Qp:NP	1.8	NP	NP	NDF
2013-07-02 17:00:00	Rc:NP Tc:NP	0.18 7			
2013-07-03 12:00:00	Qp:NP	0.35	NDF	NDF	NDF
2013-07-03 11:00:00	Rc:0.03 Tc:2	0.42 6			
2013-07-05 10:00:00	Qp:0.08	0.89	NDF	NDF	NDF
2013-07-05 14:00:00	Rc:NDF Tc:NDF				0.06 12
2013-07-07 12:00:00	Qp:NDF	NP	NP	NP	0.06
2013-07-10 18:00:00	Rc:0.03 Tc:1				0.05 3
2013-07-12 06:00:00	Qp:0.23	NP	NP	NDF	0.21
2013-07-23 17:00:00	Rc:NP Tc:NP	0.11 2			
2013-07-24 18:00:00	Qp:NP	1.84	NDF	NP	NP
2013-07-29 08:00:00	Rc:NP Tc:NP	0.17 2			0.02 5
2013-07-31 00:00:00	Qp:NP	1.36	NP	NP	0.04
2013-08-04 10:00:00	Rc:0.01 Tc:1	0.07 5			0.02 10
2013-08-06 15:00:00	Qp:0.09	0.06	NP	NP	0.03
2013-08-08 19:00:00	Rc:0.02 Tc:1	0.2 5			0.03 6
2013-08-11 00:00:00	Qp:0.06	0.56	NDF	NP	0.09
2013-08-12 19:00:00	Rc:NDF Tc:NDF		0.04 8		0.01 10
2013-08-15 20:00:00	Qp:NDF	strange flow	0.1	NDF	0.02
2013-08-19 07:00:00	Rc:0.01 Tc:1	0.21 4	0.04 4		0.02 5
2013-08-21 05:00:00	Qp:0.04	0.74	0.21	NDF	0.1
2013-08-24 22:00:00	Rc:0.02 Tc:1	0.21 4	0.06 6		
2013-08-27 06:00:00	Qp:0.1	0.68	0.17	NDF	NDF

2013-08-27 08:00:00	Rc:0.04	0.31	0.32		0.06
2013-08-31 05:00:00	Tc:1	3	30		4
	Qp:0.17	2.62	0.1	NDF	0.23
2013-09-08 17:00:00	Rc:NP	0.18			
2013-09-10 02:00:00	Tc:NP	2			
	Qp:NP	1.08	NDF	NDF	NP
2013-09-11 20:00:00	Rc:NDF	0.76			0.04
2013-09-14 15:00:00	Tc:NDF	3			15
	Qp:NDF	3.18	MP	MP	0.02
2013-09-16 11:00:00	Rc:0.02	0.73			0.04
2013-09-18 01:00:00	Tc:2	4			5
	Qp:0.07	3.38	NDF	NDF	0.13
2013-09-17 21:00:00	Rc:NP	0.34			
2013-09-18 17:00:00	Tc:NP	4			
	Qp:NP	0.99	NP	NP	NDF
2013-09-18 00:00:00	Rc:0.03	0.96			0.11
2013-09-20 09:00:00	Tc:2	2			10
	Qp:0.05	6.34	NP	NP	0.13
2013-09-25 22:00:00	Rc:0.02	0.08			
2013-09-28 10:00:00	Tc:3	3			
	Qp:0.03	0.2	NP	NP	NP
2012-10-12 11:00:00	Rc:0.02				
2012-10-15 07:00:00	Tc:2				
	Qp:0.02	MP	NP	NP	MP
2013-11-03 02:00:00	Rc:0.02	0.36			
2013-11-05 00:00:00	Tc:2	3			
	Qp:0.04	1	NDF	NDF	NDF
2013-11-04 23:00:00	Rc:NDF	0.31			
2013-11-05 19:00:00	Tc:NDF	10			
	Qp:NDF	0.38	NDF	NDF	NDF
2013-11-05 19:00:00	Rc:0.03	0.81			
2013-11-08 12:00:00	Tc:7	4			
	Qp:0.04	1.25	NDF	NDF	NDF
2013-11-08 22:00:00	Rc:0.04	0.38			0.07
2013-11-13 05:00:00	Tc:11	4			15
	Qp:0.04	1.06	strange flow	MP	0.08
2013-11-23 14:00:00	Rc:0.08				0.23
2013-11-26 04:00:00	Tc:8				4
	Qp:0.15	NDF	NP	NDF	0.75