



Memorandum

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Ag 10×10 mm² and 8-mm-∅ on Ni

LEM experiments on Ag-10×10-mm² and 8-mm-∅ foils on Ni-sputtered sample plates have been performed in continuation of the previous RA steering experiments on a Ag-20×20-mm² foil on Ni [1] to find the optimum RA settings in B_{\parallel} geometry after fixing the L3 alignment in February 2008. The Ag foils were 125 μm thick with 99.99+% purity from Goodfellows (type AG000360), glued with conductive silver on the Ni-sputtered sample plate, and measured at a temperature of 20 K.

Measurements were done at fields B of 100, 150 and 256 G (10×10 mm² foil) and 100 G (8-mm-∅ foil), 1 Mevents each; a series of RA-LR and RA-TB scans had the purpose to find the optimum RA settings, e.g. the maximum possible asymmetry, for different implantation energies. At 100 G two different 15-kV transport settings were used: “default” transport settings (L2 = 13 kV, L3 = 8.35 kV, RA = 10.56 kV), and “small-sample” transport settings (L2 = 15 kV, L3 = 8.5 kV, RA = 11.0 kV), see Tab. 3, with about 15% smaller event rate, but higher asymmetry for small samples. For 15-kV extraction at the moderator zero potential at sample means $E = 14.1$ keV. See elogs specified in [2] for more details.

Summary of results for Ag 10×10 mm²:

- best RA-TB settings: RAT - RAB = 0.1 kV.
- “default” transport: $A(14.1 \text{ keV}) = 0.132(2)$, which is about 50% of max. asymmetry, as expected from beam spot measurements.
- “small-sample” transport: $A(14.1 \text{ keV}) = 0.152(2)$, which is about 58% of max. asymmetry, close to the expected 60% from beam spot measurements; 15% less event rate.
- RA-LR settings scales as a function of B as given by Eq. 3 in [1]:
 $(RAL - RAR) \text{ (V)} = 2.13 - 1.787B \text{ (G)} - 0.01449B^2 \text{ (G}^2\text{)}$.
- for “default” settings, 100 G, (RAL - RAR) shifts as a function of energy as described in Figure 3 of Ref. [1]; for “small-sample” transport, the same RA-LR steering can be used between 4 keV and 20 keV.
- 2-keV data are generally not straightforward to interpret, especially for $B > 100$ G. One has to check the minimum in depolarization rate and α_{LR} where α_{LR} far off unity is not favored.

The 8-mm-∅ Ag foil measurements had the purpose to check how different the standard LEM cryo-

stat setup is from the “small-sample” setup (Konti-3 cryostat) which has limitation in base temperature and problems with background below ~ 9 keV.

Summary of results of 100 G Ag 8-mm- \varnothing measurements:

- best RA-TB, RA-LR settings: RAT - RAB = 0.1 kV; RAL - RAR = -0.3 kV at 100 G.
- for “default” transport $A(14.1 \text{ keV}) = 0.086(2)$, which is 25% less than $A(14.1 \text{ keV}) = 0.115(2)$ for small-sample transport.
- for small-sample transport, $A(14.1 \text{ keV}) = 0.115(2)$, compared to 0.156 for “small-sample setup” (Konti-3, June 2008 measurements).
- below ~ 7 keV: $A(E)$ is about the same without spurious broad field distribution around 30 G.

Ag 10 \times 10 mm² results:

Figure 1 shows the asymmetry $AsymS$ of the slowly damped μ SR signal for zero sample potential ($E = 14.1$ keV) when scanning RA-LR for different RA-TB settings. Data are fitted with a gaussian damped oscillation, as described in Eqs. 1 and 2 of Ref. [1]. Time window for fit is [0.05, 10] μ s with a packing of 100 (~ 20 ns).

The maximum asymmetries for “default” and “small-sample” settings are observed for (RAT - RAB) = 0.1 or 0.2 kV. The same is valid also for 256 G. For most of the tests (RAT - RAB) = 0.1 kV has been chosen. The optimum of RA-LR at 100 G is about -0.3 kV, in agreement with Eq. 3 of [1]. A comparison of the 100-G RA-LR scan data for “default” and “small-sample” transport settings is shown in Fig. 2. The corresponding data for “small-sample” transport and 150 and 256 G are shown in Fig. 3. Again, the optimum RA-LR steering of about -600 V for $B_{\parallel} = 150$ G and about -1400 V for $B_{\parallel} = 256$ G agrees well with Eq. 3 of Ref. [1]. The results are summarized in Tab. 1 (100 G) and in Tab. 2 (150 and 256 G). The asymmetry data as a function of energy and for different magnetic

Table 1: Ag 10 \times 10 mm²: LEM 15 kV transport settings, (RAT-RAB) = 0.1 kV, $B_{\parallel} = 100$ G. The subscripts D and S are for “default” transport and “small sample” transport settings.

energy (keV)	(RAL-RAR) _D (100G)	A_D (100G)	(RAL-RAR) _S (100G)	A_S (100G)	A_S/A_D
20	-250 V	0.156(2)	-300 V	0.167(2)	1.07(2)
14.1	-250 V	0.133(2)	-300 V	0.153(2)	1.15(2)
10	-250 V	0.112(2)	-300 V	0.129(2)	1.15(2)
6	-265 V	0.087(2)	-300 V	0.110(2)	1.26(3)
4	-300 V	0.074(2)	-300 V	0.097(2)	1.31(4)
2	-350 V	0.065(2)	-300?? V	0.080(2)	1.23(4)

fields and transport settings are shown in Fig. 4. Figures 5 and 6 show α_{LR} and the depolarization rates as a function of RA-LR steering for different implantation energies and magnetic fields.

Ag 8-mm- \varnothing results:

The max. asymmetry as a function of implantation energy is shown for $B_{\parallel} = 100$ G in Fig. 7 for “small

Table 2: Ag 10×10 mm²: LEM 15 kV transport settings, (RAL-RAB) = 0.1 kV, $B_{\parallel} = 150/256$ G. The subscript S is for “small sample” transport settings.

energy (keV)	(RAL-RAR) _S (150G)	A_S (150G)	(RAL-RAR) _S (256G)	A_S (256G)
20	-600 V	0.161(2)	-1400 V	0.120(2)
14.1	-600 V	0.141(2)	-1400 V	0.100(2)
10	-600 V	0.121(2)	-1400 V	0.082(2)
6	-600 V	0.102(2)	-1400 V	0.067(2)
4	-600 V	0.084(2)	-1500 V	0.054(2)
2	-600? V	0.070(3)	-1500? V	0.054(4)

Table 3: LEM 15 kV transport settings; mirror position 294.8 degree/17.5 mm, TD position 85 degree/29 mm.

	“default” transport settings	“small-sample” transport settings
moderator	15.0 kV	15.0 kV
moderator guard	12.0 kV	12.0 kV
moderator grid	10.4 kV	10.4 kV
L1	8.5 kV	8.5 kV
mirror	15.0 kV	15.0 kV
L2	13.0 kV	15.0 kV
L3	8.35 kV	8.5 kV
RA	10.56 kV	11.0 kV

sample” transport settings (“Default” transport has not been measured as a function of energy). At zero potential at the sample (14.1 keV) the asymmetry of the “small sample setup” (Konti-3) is 1.35 times larger. Below 7 keV implantation energy the asymmetries of Konti-2 equals the “small-sample-setup” asymmetry. The depolarization rate is about $0.08 \mu\text{s}^{-1}$ for all energies. Figure 8 compares low-energy Maximum-Entropy results of Konti-3 with Konti-2: the difference is obvious where the Konti-2 data do not show the perturbing broad background below 50 G.

References:

- [1] Andreas Suter and Bastian Wojek, *Ag 20×20 mm² on a Ni sample plate*, PSI memorandum 2008, http://nemu.web.psi.ch/doc/LEM_Memo/RA-steering/Ag-on-Ni.pdf.
- [2] Elog references: [elog:LEM_Experiment/4324](http://emlog.lem.ch/4324), [4326](http://emlog.lem.ch/4326), and [4328](http://emlog.lem.ch/4328) on <http://lem00:8000>.

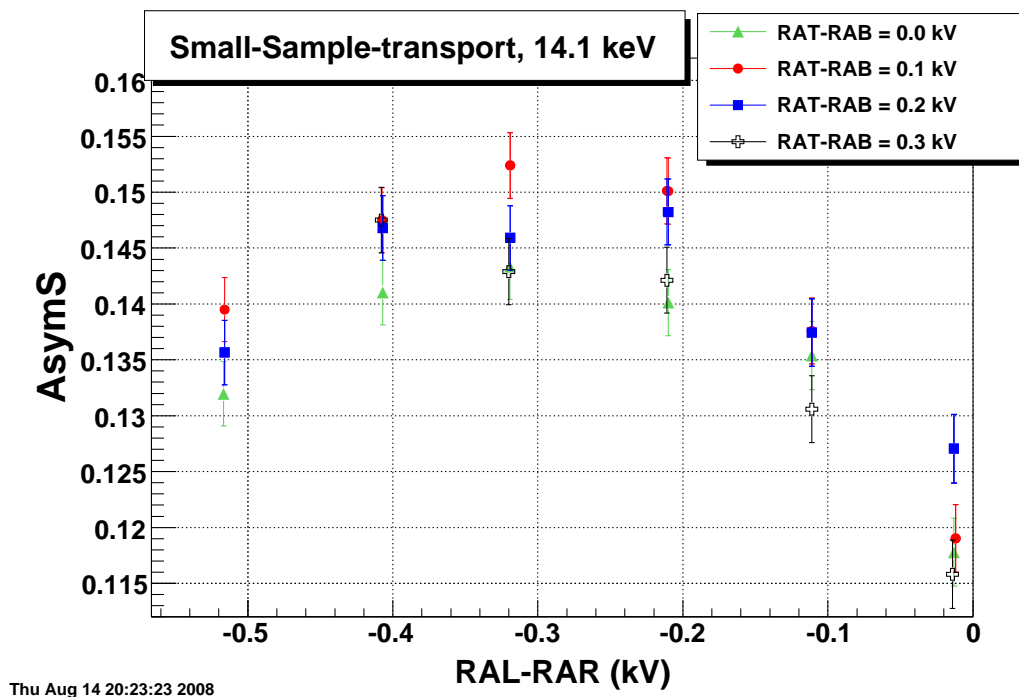
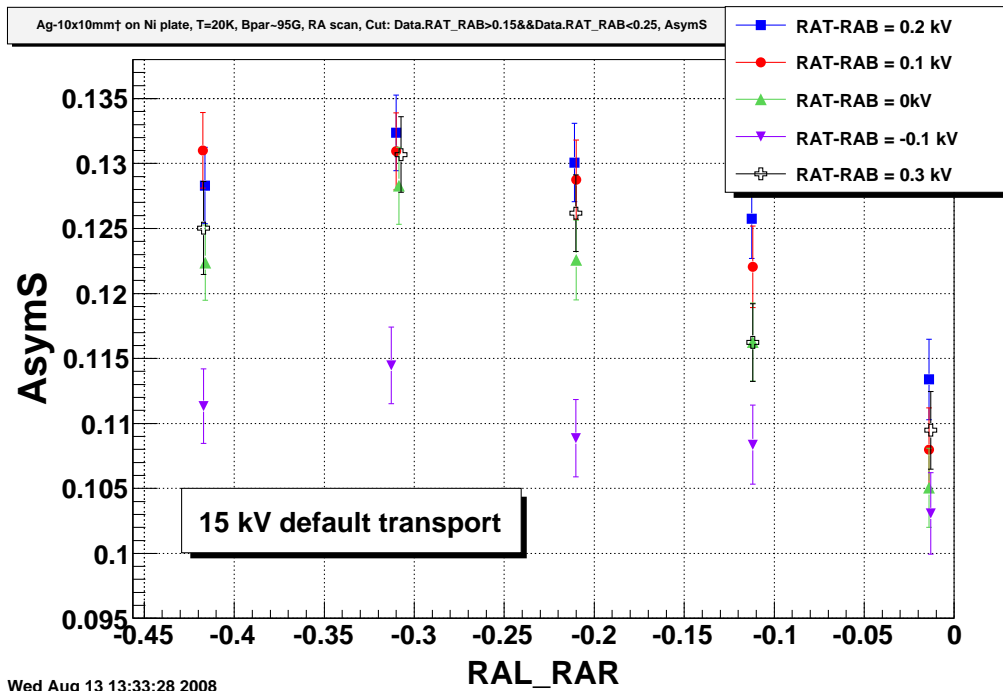


Figure 1: Ag 10×10 mm²: asymmetry $AsymS$ of the slowly damped μ SR signal as a function of RA-LR and RA-TB steering, $B_{\parallel} = 100$ G. Top: “default”, bottom: “small-sample” transport settings.

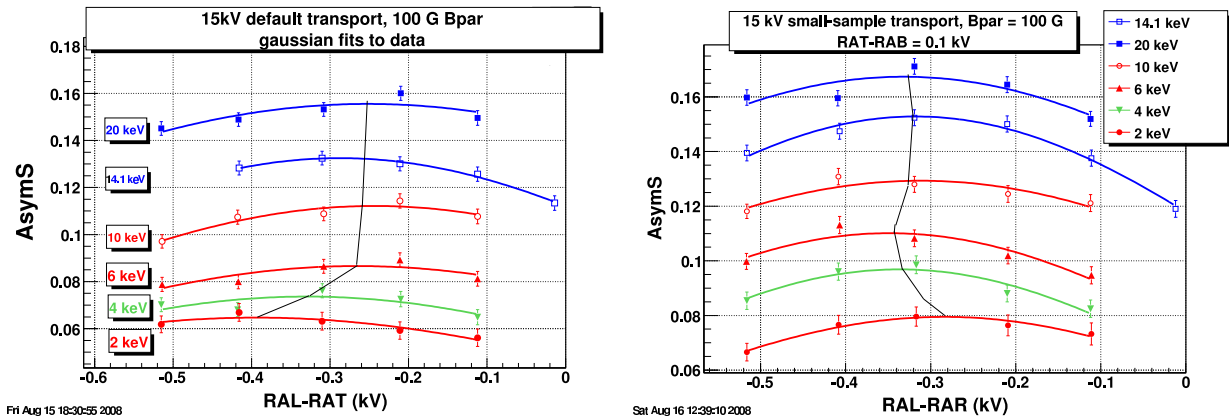


Figure 2: Ag $10 \times 10 \text{ mm}^2$: Asymmetry $AsymS$ of the slowly damped μ SR signal as a function of RA-LR and implantation energy, $B_{||} = 100 \text{ G}$. Left: “default”, right: “small-sample” transport settings. The vertical lines indicate the developing of optimum RA-LR values. The other lines are Gaussian fits.

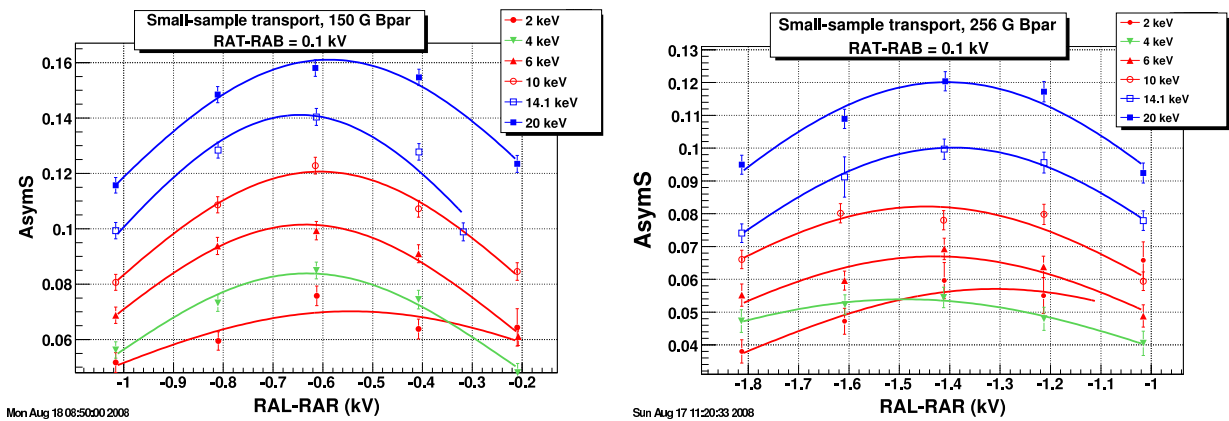


Figure 3: Ag $10 \times 10 \text{ mm}^2$: asymmetry $AsymS$ of the slowly damped μ SR signal as a function of RA-LR and implantation energy, “small-sample” transport settings. Left: $B_{||} = 150 \text{ G}$, right: $B_{||} = 256 \text{ G}$. The lines are Gaussian fits.

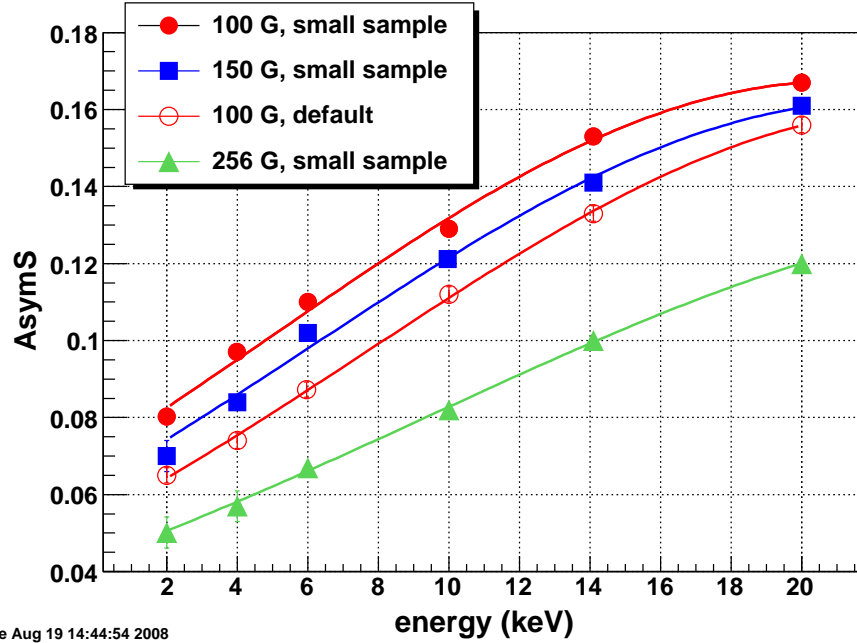


Figure 4: Ag 10×10 mm²: maximum asymmetry $AsymS$ of the slowly damped μ SR signal as a function of energy for different magnetic fields and different transport settings (“default” and “small-sample”); (RAT - RAB) = 0.1 kV.

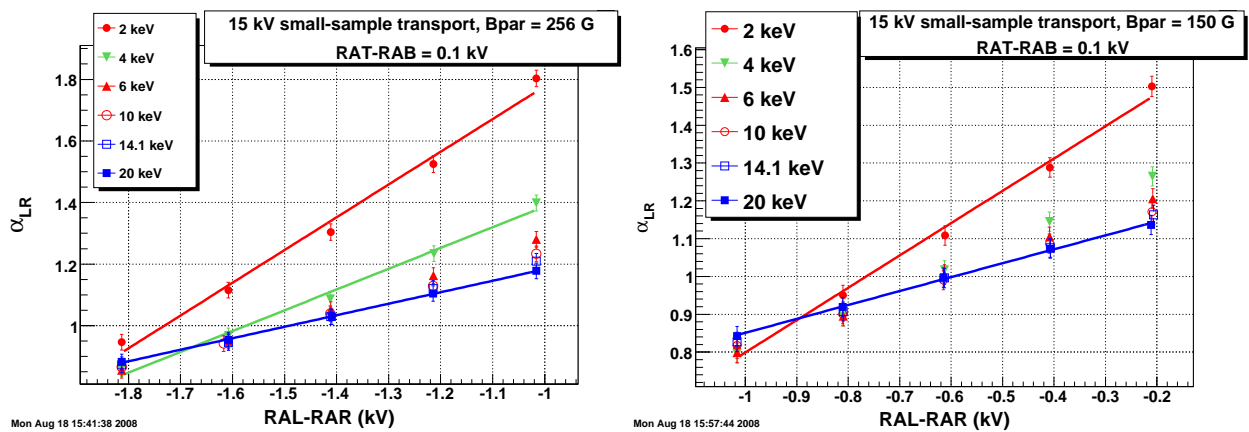


Figure 5: Ag 10×10 mm²: $\alpha_{LR} = N_R^0/N_L^0$ as a function of RAL - RAR for $B_{\parallel} = 256$ G (left) and 150 G (right) for 15-kV transport settings, small-sample settings for L2, L3 and RA.

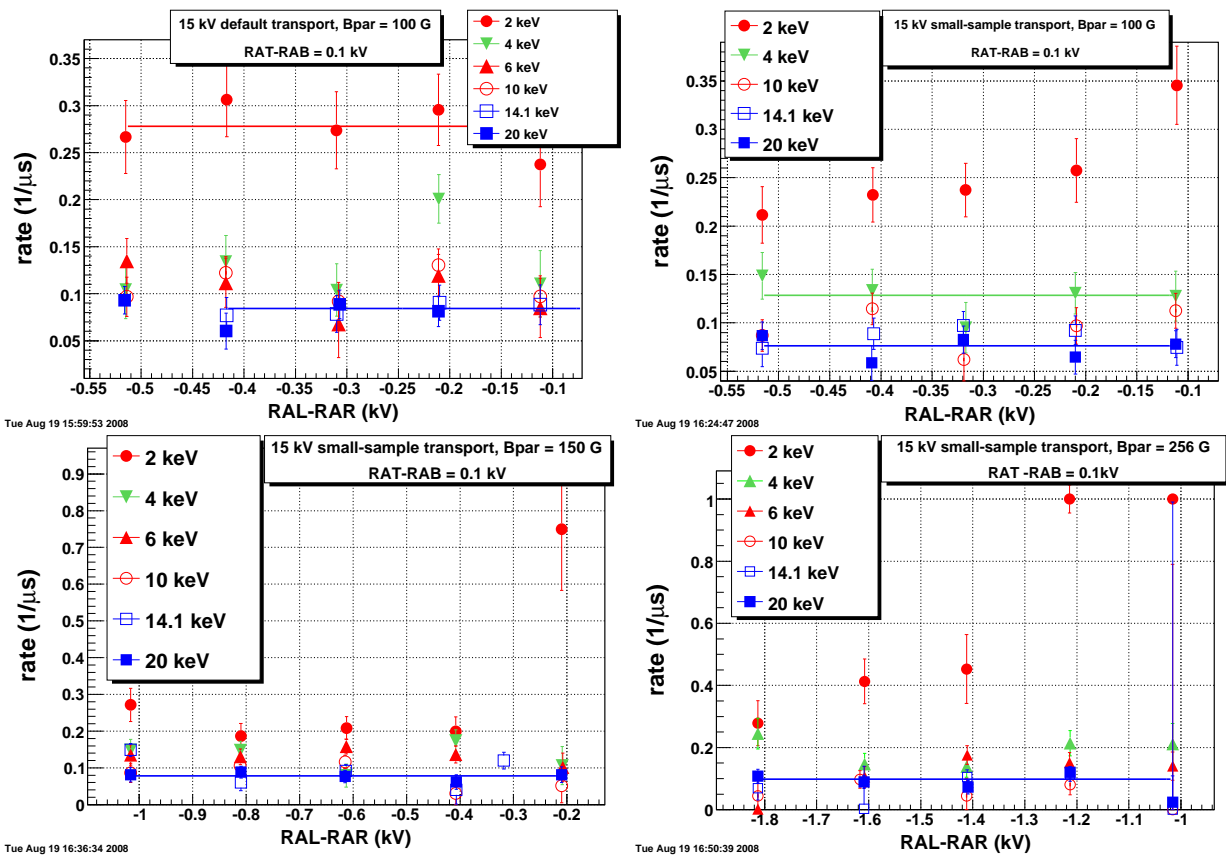
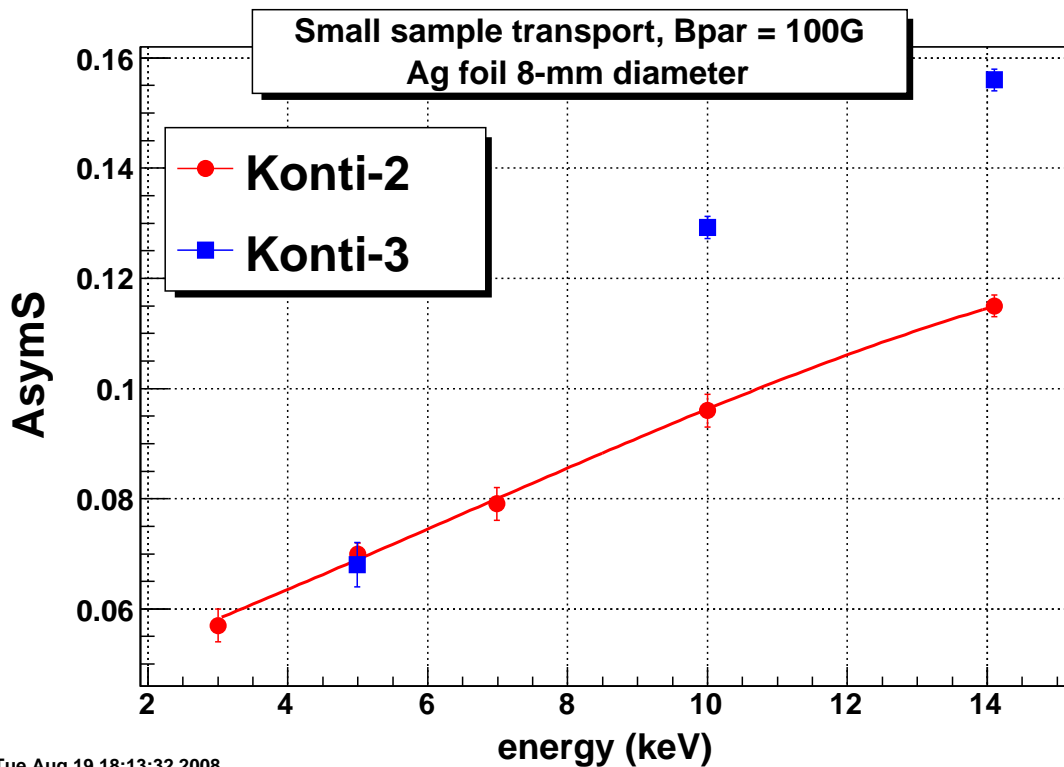


Figure 6: Ag 10×10 mm²: muon depolarization rates as a function of RA-LR steering for different implantation energies and magnetic fields. Top left: B_{||} = 100 G, “default” transport settings. Top right: B_{||} = 100 G, “small sample” transport. Bottom left: B_{||} = 150 G, bottom right: B_{||} = 256 G, both with “small sample” transport settings.



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Figure 7: Ag 8-mm- \emptyset : maximum asymmetry $AsymS$ of the slowly damped μ SR signal as a function of energy for “small-sample setup” (Konti-3) and normal setup (Konti-2).

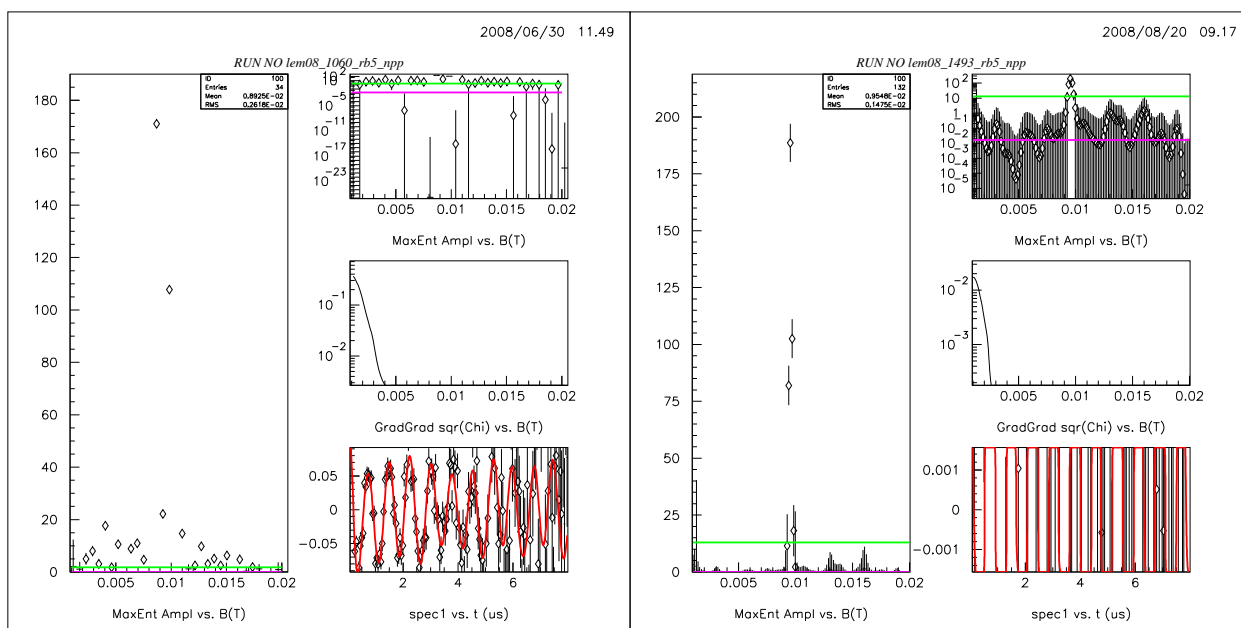


Figure 8: Ag 8-mm- \emptyset , $B_{||} = 100$ G. Left: “small-sample setup” (Konti-3), 5 keV; right: “standard setup” (Konti-2), 3 keV.

1455	Mon	Aug	11	2008::15:05:15	---	15:39:44	1053.5k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.26(kV), RAT-RAB=-0.02(kV)	
1456	Mon	Aug	11	2008::15:40:20	---	16:14:36	1002.0k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=-0.02(kV)	
1457	Mon	Aug	11	2008::16:14:57	---	16:44:52	1003.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=-0.02(kV)	
1458	Mon	Aug	11	2008::16:45:12	---	17:15:13	1003.1k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=-0.02(kV)	
1459	Mon	Aug	11	2008::17:15:33	---	17:45:33	1001.7k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.31(kV), RAT-RAB=-0.02(kV)	
1460	Mon	Aug	11	2008::17:45:54	---	18:15:54	1000.5k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.42(kV), RAT-RAB=-0.02(kV)	
1461	Mon	Aug	11	2008::18:18:03	---	18:48:08	1001.5k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.38(kV)	
1462	Mon	Aug	11	2008::18:48:29	---	19:18:34	1001.6k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.28(kV)	
1463	Mon	Aug	11	2008::19:18:54	---	19:49:05	1002.8k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.17(kV)	
1464	Mon	Aug	11	2008::19:49:25	---	20:25:51	1003.7k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)	
1465	Mon	Aug	11	2008::20:26:12	---	20:55:23	1001.7k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=-0.12(kV)	
1466	Mon	Aug	11	2008::20:55:58	---	21:25:08	1001.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.26(kV), RAT-RAB=0.28(kV)	
1467	Mon	Aug	11	2008::21:25:44	---	21:54:49	1002.7k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.26(kV), RAT-RAB=0.17(kV)	
1468	Mon	Aug	11	2008::21:55:24	---	22:24:33	1002.1k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.26(kV), RAT-RAB=0.08(kV)	
1469	Mon	Aug	11	2008::22:26:14	---	22:59:25	1002.3k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=-0.12(kV)	
1470	Mon	Aug	11	2008::22:59:45	---	23:33:12	1002.9k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=-0.12(kV)	
1471	Tue	Aug	12	2008::23:33:32	---	00:06:58	1002.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=-0.12(kV)	
1472	Tue	Aug	12	2008::00:07:19	---	00:40:45	1000.9k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=-0.12(kV)	
1473	Tue	Aug	12	2008::00:41:05	---	01:14:32	1002.0k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=-0.12(kV)	
1474	Tue	Aug	12	2008::01:14:52	---	01:48:18	1002.7k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=-0.02(kV)	
1475	Tue	Aug	12	2008::01:48:39	---	02:22:10	1002.3k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=-0.02(kV)	
1476	Tue	Aug	12	2008::02:22:31	---	02:56:02	1001.3k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=-0.02(kV)	
1477	Tue	Aug	12	2008::02:56:22	---	03:29:54	1002.5k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=19.99(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=-0.02(kV)	
1478	Tue	Aug	12	2008::03:30:14	---	04:05:21	1000.3k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=-0.02(kV)	
1479	Tue	Aug	12	2008::04:05:46	---	04:40:07	1002.0k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.08(kV)	
1480	Tue	Aug	12	2008::04:40:28	---	05:14:04	1002.1k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.08(kV)	
1481	Tue	Aug	12	2008::05:14:25	---	05:48:36	1002.3k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)	
1482	Tue	Aug	12	2008::05:48:57	---	06:22:28	1000.4k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.08(kV)	
1483	Tue	Aug	12	2008::06:22:48	---	06:56:50	1002.6k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.08(kV)	
1484	Tue	Aug	12	2008::06:57:15	---	07:30:56	1001.5k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.17(kV)	
1485	Tue	Aug	12	2008::07:31:17	---	08:04:58	1001.9k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.17(kV)	
1486	Tue	Aug	12	2008::08:05:18	---	08:43:46	1003.1k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.17(kV)	
1487	Tue	Aug	12	2008::08:44:06	---	09:18:13	1000.4k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.17(kV)	
1488	Tue	Aug	12	2008::09:18:33	---	09:52:20	1002.1k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.17(kV)	
1489	Tue	Aug	12	2008::09:52:45	---	10:33:28	1002.9k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.28(kV)	
1490	Tue	Aug	12	2008::10:33:49	---	11:08:00	1002.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.28(kV)	
1491	Tue	Aug	12	2008::11:08:21	---	11:44:13	1002.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.28(kV)	
1492	Tue	Aug	12	2008::11:44:33	---	12:18:24	1001.6k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.28(kV)	
1493	Tue	Aug	12	2008::12:22:45	---	12:56:56	1001.3k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/11.09(kV), E=3.03(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.08(kV)	
1494	Tue	Aug	12	2008::12:57:32	---	13:31:08	1000.9k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/9.10(kV), E=5.03(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.08(kV)	
1495	Tue	Aug	12	2008::13:31:44	---	14:06:00	1002.5k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/7.10(kV), E=7.03(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.08(kV)	
1496	Tue	Aug	12	2008::14:06:35	---	14:49:35	1003.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/4.10(kV), E=10.02(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.08(kV)	
1497	Tue	Aug	12	2008::14:52:36	---	15:27:33	1002.7k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/11.09(kV), E=3.03(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.08(kV)	
1498	Tue	Aug	12	2008::15:28:08	---	16:05:05	1001.4k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/11.09(kV), E=3.03(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)	
1499	Tue	Aug	12	2008::16:05:41	---	16:40:25	1001.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/11.09(kV), E=3.03(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.17(kV)	
1500	Tue	Aug	12	2008::16:48:34	---	17:33:11	800.0k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/11.09(kV), E=3.03(keV), RAL-RAR=-0.52(kV), RAT-RAB=0.08(kV)	
1501	Tue	Aug	12	2008::17:33:49	---	17:34:12	0.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/11.09(kV), E=3.03(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.98(kV)	
1502	Tue	Aug	12	2008::17:35:06	---	18:15:38	802.2k	Ag	8mm	on Ni,	Bpar	~98(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/11.09(kV), E=3.03(keV), RAL-RAR=-0.41(kV), RAT-RAB=-0.02(kV)	
1503	Tue	Aug	12	2008::22:52:12	---	23:22:43	1003.6k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.01(kV), RAT-RAB=-0.12(kV)
1504	Tue	Aug	12	2008::23:23:03	---	23:53:29	1003.0k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.11(kV), RAT-RAB=-0.12(kV)
1505	Wed	Aug	13	2008::23:53:49	---	00:33:17	1003.1k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.21(kV), RAT-RAB=-0.12(kV)
1506	Wed	Aug	13	2008::00:33:38	---	01:05:58	1003.9k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.31(kV), RAT-RAB=-0.12(kV)
1507	Wed	Aug	13	2008::01:06:19	---	01:36:44	1003.1k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.42(kV), RAT-RAB=-0.12(kV)
1508	Wed	Aug	13	2008::01:37:05	---	02:07:15	1002.2k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.01(kV), RAT-RAB=-0.02(kV)
1509	Wed	Aug	13	2008::02:07:36	---	02:37:51	1000.8k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.11(kV), RAT-RAB=-0.02(kV)
1510	Wed	Aug	13	2008::02:38:11	---	03:09:32	1003.7k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.21(kV), RAT-RAB=-0.02(kV)
1511	Wed	Aug	13	2008::03:09:53	---	03:40:23	1002.9k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.31(kV), RAT-RAB=-0.02(kV)
1512	Wed	Aug	13	2008::03:40:44	---	04:14:10	1003.0k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.42(kV), RAT-RAB=-0.02(kV)
1513	Wed	Aug	13	2008::04:14:36	---	04:45:16	1002.9k	Ag	10x10	mm	on Ni,	Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.08(kV)
1514	Wed	Aug	13	2008::04:45:37	---	05:16:48	1002.7k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.08(kV)
1515	Wed	Aug	13	2008::05:17:08	---	05:48:34	1001.7k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)
1516	Wed	Aug	13	2008::05:48:55	---	06:21:20	1003.3k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.08(kV)
1517	Wed	Aug	13	2008::06:21:41	---	06:53:06	1001.5k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.08(kV)
1518	Wed	Aug	13	2008::06:53:32	---	07:24:53	1003.1k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.17(kV)
1519	Wed	Aug	13	2008::07:25:13	---	07:56:34	1001.6k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.17(kV)
1520	Wed	Aug	13	2008::07:56:54	---	08:28:25	1002.4k	Ag	10x10	mm	on Ni,	Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.17(kV)

1521	Wed	Aug	13	2008::08:28:46	---	09:00:16	1003.1k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.17(kV)
1522	Wed	Aug	13	2008::09:00:37	---	09:32:07	1001.6k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.17(kV)
1523	Wed	Aug	13	2008::09:32:33	---	10:03:54	1000.7k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.28(kV)
1524	Wed	Aug	13	2008::10:04:14	---	10:36:15	1002.6k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.28(kV)
1525	Wed	Aug	13	2008::10:36:35	---	11:08:06	1001.8k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.28(kV)
1526	Wed	Aug	13	2008::11:08:26	---	11:39:57	1003.7k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.28(kV)
1527	Wed	Aug	13	2008::11:40:18	---	12:03:07	702.2k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-0.01(kV), E=14.13(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.28(kV)
1528	Wed	Aug	13	2008::12:08:51	---	13:19:41	1001.9k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)
1529	Wed	Aug	13	2008::13:20:17	---	13:53:08	1001.3k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.08(kV)
1530	Wed	Aug	13	2008::13:53:44	---	14:26:20	1001.5k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.08(kV)
1531	Wed	Aug	13	2008::14:26:56	---	14:59:52	1001.9k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.51(kV), RAT-RAB=0.08(kV)
1532	Wed	Aug	13	2008::15:00:27	---	15:34:24	1002.6k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.17(kV)
1533	Wed	Aug	13	2008::15:35:00	---	16:07:11	1003.2k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.17(kV)
1534	Wed	Aug	13	2008::16:07:46	---	17:00:02	1001.5k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.17(kV)
1535	Wed	Aug	13	2008::17:00:38	---	17:36:10	1003.5k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.51(kV), RAT-RAB=0.17(kV)
1536	Wed	Aug	13	2008::17:38:01	---	18:11:36	1001.3k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/10.10(kV), E=4.03(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)
1537	Wed	Aug	13	2008::18:12:11	---	18:45:02	1001.9k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/10.10(kV), E=4.03(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.08(kV)
1538	Wed	Aug	13	2008::18:45:38	---	19:18:34	1002.7k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/10.10(kV), E=4.03(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.08(kV)
1539	Wed	Aug	13	2008::19:19:09	---	19:52:31	1001.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/10.10(kV), E=4.03(keV), RAL-RAR=-0.52(kV), RAT-RAB=0.08(kV)
1540	Wed	Aug	13	2008::19:54:22	---	20:27:03	1003.2k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/8.09(kV), E=6.03(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)
1541	Wed	Aug	13	2008::20:27:38	---	21:00:19	1002.7k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/8.09(kV), E=6.03(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.08(kV)
1542	Wed	Aug	13	2008::21:00:55	---	21:33:51	1002.6k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/8.09(kV), E=6.03(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.08(kV)
1543	Wed	Aug	13	2008::21:34:27	---	22:07:13	1001.2k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/8.09(kV), E=6.03(keV), RAL-RAR=-0.52(kV), RAT-RAB=0.08(kV)
1544	Wed	Aug	13	2008::22:09:04	---	22:43:45	1000.5k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/4.10(kV), E=10.02(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)
1545	Wed	Aug	13	2008::22:44:20	---	23:17:16	1001.6k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/4.10(kV), E=10.02(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.08(kV)
1546	Wed	Aug	13	2008::23:17:52	---	23:51:28	1002.1k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/4.10(kV), E=10.02(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.08(kV)
1547	Thu	Aug	14	2008::23:52:03	---	00:25:19	1002.4k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/4.10(kV), E=10.02(keV), RAL-RAR=-0.51(kV), RAT-RAB=0.08(kV)
1548	Thu	Aug	14	2008::00:29:05	---	01:02:16	1001.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV)
1549	Thu	Aug	14	2008::01:02:51	---	01:36:08	1002.7k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.08(kV)
1550	Thu	Aug	14	2008::01:36:43	---	02:10:34	1001.7k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.08(kV)
1551	Thu	Aug	14	2008::02:11:10	---	02:44:26	1003.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.51(kV), RAT-RAB=0.08(kV)
1552	Thu	Aug	14	2008::02:45:06	---	03:21:03	1001.2k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.17(kV)
1553	Thu	Aug	14	2008::03:21:38	---	03:56:19	1002.2k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.31(kV), RAT-RAB=0.17(kV)
1554	Thu	Aug	14	2008::03:56:55	---	04:30:31	1000.9k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.42(kV), RAT-RAB=0.17(kV)
1555	Thu	Aug	14	2008::04:31:07	---	05:05:03	1002.2k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/-5.90(kV), E=20.02(keV), RAL-RAR=-0.51(kV), RAT-RAB=0.17(kV)
1556	Thu	Aug	14	2008::05:08:17	---	05:46:00	1001.9k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.02(kV), L3=8.5
1557	Thu	Aug	14	2008::05:46:36	---	06:24:51	1002.2k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.02(kV), L3=8.5
1558	Thu	Aug	14	2008::06:25:27	---	07:03:33	1003.1k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.02(kV), L3=8.5
1559	Thu	Aug	14	2008::07:04:09	---	07:42:47	1002.1k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.02(kV), L3=8.5
1560	Thu	Aug	14	2008::07:43:22	---	08:21:24	1002.3k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.02(kV), L3=8.5
1561	Thu	Aug	14	2008::08:22:00	---	09:00:12	1002.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.52(kV), RAT-RAB=0.02(kV), L3=8.5
1562	Thu	Aug	14	2008::09:00:53	---	09:38:55	1000.9k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.08(kV), L3=8.5
1563	Thu	Aug	14	2008::09:39:30	---	10:17:34	1002.4k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.08(kV), L3=8.5
1564	Thu	Aug	14	2008::10:18:09	---	10:56:47	1001.2k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.08(kV), L3=8.5
1565	Thu	Aug	14	2008::10:57:22	---	11:37:57	1001.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.08(kV), L3=8.5
1566	Thu	Aug	14	2008::11:38:33	---	12:16:24	1001.4k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.08(kV), L3=8.5
1567	Thu	Aug	14	2008::12:17:00	---	12:54:53	1002.1k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.52(kV), RAT-RAB=0.08(kV), L3=8.5
1568	Thu	Aug	14	2008::12:55:28	---	13:34:01	1002.3k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.17(kV), L3=8.5
1569	Thu	Aug	14	2008::13:34:37	---	14:13:24	1002.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.17(kV), L3=8.5
1570	Thu	Aug	14	2008::14:14:00	---	14:51:57	1000.7k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.17(kV), L3=8.5
1571	Thu	Aug	14	2008::14:52:32	---	15:30:21	1000.9k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.17(kV), L3=8.5
1572	Thu	Aug	14	2008::15:30:56	---	16:13:40	1002.1k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.17(kV), L3=8.5
1573	Thu	Aug	14	2008::16:14:16	---	16:53:49	1000.9k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.52(kV), RAT-RAB=0.17(kV), L3=8.5
1574	Thu	Aug	14	2008::16:54:29	---	17:32:27	1001.6k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.01(kV), RAT-RAB=0.28(kV), L3=8.5
1575	Thu	Aug	14	2008::17:33:02	---	18:11:05	1001.3k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.28(kV), L3=8.5
1576	Thu	Aug	14	2008::18:11:40	---	18:49:47	1003.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.21(kV), RAT-RAB=0.28(kV), L3=8.5
1577	Thu	Aug	14	2008::18:50:23	---	19:28:31	1003.4k	Ag	10x10	mm	on	Ni, Bpar	~99(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.32(kV), RAT-RAB=0.28(kV), L3=8.5
1578	Thu	Aug	14	2008::19:29:07	---	20:08:02	1001.3k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/0.00(kV), E=14.12(keV), RAL-RAR=-0.41(kV), RAT-RAB=0.28(kV), L3=8.5
1579	Thu	Aug	14	2008::20:13:58	---	20:47:19	1002.2k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/12.10(kV), E=2.03(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.08(kV)
1580	Thu	Aug	14	2008::20:48:05	---	21:34:59	1001.0k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/10.10(kV), E=4.03(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.08(kV)
1581	Thu	Aug	14	2008::21:35:45	---	22:09:01	1002.4k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/8.09(kV), E=6.03(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.08(kV)
1582	Thu	Aug	14	2008::22:09:46	---	22:43:37	1003.4k	Ag	10x10	mm	on	Ni, Bpar	~100(G)/3.03(A), T=20.00(K), Tr/Sa=15.02/4.10(kV), E=10.02(keV), RAL-RAR=-0.11(kV), RAT-RAB=0.08(kV)
1583	Thu	Aug	14	2008::22:46:18	---	23:19:							

1587	Fri	Aug	15	2008::01:25:47	---	02:04:40	1002.0k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/12.10(kV),	E=2.03(keV),	RAL-RAR=-0.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1588	Fri	Aug	15	2008::02:05:15	---	02:44:08	1000.2k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/12.10(kV),	E=2.03(keV),	RAL-RAR=-0.52(kV),	RAT-RAB=0.08(kV),	L3=8.5
1589	Fri	Aug	15	2008::02:45:58	---	03:24:40	1000.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.02(keV),	RAL-RAR=-0.11(kV),	RAT-RAB=0.08(kV),	L3=8.5
1590	Fri	Aug	15	2008::03:25:16	---	04:04:24	1002.6k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.03(keV),	RAL-RAR=-0.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1591	Fri	Aug	15	2008::04:05:00	---	04:44:08	1000.9k	Ag	10x10	mm	on Ni, Bpar	~99(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.03(keV),	RAL-RAR=-0.32(kV),	RAT-RAB=0.08(kV),	L3=8.5
1592	Fri	Aug	15	2008::04:44:43	---	05:23:42	1001.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.02(keV),	RAL-RAR=-0.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1593	Fri	Aug	15	2008::05:24:18	---	06:07:59	1002.8k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.02(keV),	RAL-RAR=-0.51(kV),	RAT-RAB=0.08(kV),	L3=8.5
1594	Fri	Aug	15	2008::06:09:49	---	06:48:03	1001.5k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-0.11(kV),	RAT-RAB=0.08(kV),	L3=8.5
1595	Fri	Aug	15	2008::06:48:39	---	07:26:53	1001.3k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-0.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1596	Fri	Aug	15	2008::07:27:28	---	08:06:06	1000.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-0.32(kV),	RAT-RAB=0.08(kV),	L3=8.5
1597	Fri	Aug	15	2008::08:06:41	---	08:55:28	1000.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-0.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1598	Fri	Aug	15	2008::08:56:04	---	12:12:07	1001.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-0.52(kV),	RAT-RAB=0.08(kV),	L3=8.5
1599	Fri	Aug	15	2008::12:20:58	---	12:59:26	1001.8k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/4.10(kV),	E=10.02(keV),	RAL-RAR=-0.11(kV),	RAT-RAB=0.08(kV),	L3=8.5
1600	Fri	Aug	15	2008::13:00:01	---	13:38:34	1001.4k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/4.10(kV),	E=10.03(keV),	RAL-RAR=-0.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1601	Fri	Aug	15	2008::13:39:09	---	14:17:42	1002.5k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/4.10(kV),	E=10.02(keV),	RAL-RAR=-0.32(kV),	RAT-RAB=0.08(kV),	L3=8.5
1602	Fri	Aug	15	2008::14:18:17	---	14:57:15	1001.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/4.10(kV),	E=10.02(keV),	RAL-RAR=-0.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1603	Fri	Aug	15	2008::14:57:50	---	19:20:57	1000.6k	Ag	10x10	mm	on Ni, Bpar	~99(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/4.10(kV),	E=10.02(keV),	RAL-RAR=-0.52(kV),	RAT-RAB=0.08(kV),	L3=8.5
1604	Fri	Aug	15	2008::19:24:43	---	21:21:30	1002.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),	RAL-RAR=-0.11(kV),	RAT-RAB=0.08(kV),	L3=8.5
1605	Fri	Aug	15	2008::21:22:05	---	22:08:00	1001.4k	Ag	10x10	mm	on Ni, Bpar	~99(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),	RAL-RAR=-0.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1606	Fri	Aug	15	2008::22:08:35	---	22:52:24	1002.7k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),	RAL-RAR=-0.32(kV),	RAT-RAB=0.08(kV),	L3=8.5
1607	Fri	Aug	15	2008::22:53:00	---	23:45:56	1002.2k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),	RAL-RAR=-0.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1608	Sat	Aug	16	2008::23:46:31	---	00:30:09	1001.4k	Ag	10x10	mm	on Ni, Bpar	~100(G)/3.03(A),	T=20.00(K),	Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),	RAL-RAR=-0.52(kV),	RAT-RAB=0.08(kV),	L3=8.5
1609	Sat	Aug	16	2008::00:31:15	---	01:09:37	1001.7k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.02(kV),	RAT-RAB=-0.02(kV),	L3=8.5
1610	Sat	Aug	16	2008::01:10:13	---	01:49:20	1001.7k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.21(kV),	RAT-RAB=-0.02(kV),	L3=8.5
1611	Sat	Aug	16	2008::01:49:56	---	02:28:38	1002.9k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.41(kV),	RAT-RAB=-0.02(kV),	L3=8.5
1612	Sat	Aug	16	2008::02:29:14	---	03:07:56	1000.3k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.61(kV),	RAT-RAB=-0.02(kV),	L3=8.5
1613	Sat	Aug	16	2008::03:08:32	---	03:47:49	1001.9k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.81(kV),	RAT-RAB=-0.02(kV),	L3=8.5
1614	Sat	Aug	16	2008::03:48:30	---	04:27:27	1002.5k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.02(kV),	RAT-RAB=0.08(kV),	L3=8.5
1615	Sat	Aug	16	2008::04:28:03	---	05:06:55	1002.5k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1616	Sat	Aug	16	2008::05:07:31	---	05:46:23	1002.2k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1617	Sat	Aug	16	2008::05:46:59	---	06:26:21	1002.8k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.61(kV),	RAT-RAB=0.08(kV),	L3=8.5
1618	Sat	Aug	16	2008::06:26:57	---	07:05:39	1002.4k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.81(kV),	RAT-RAB=0.08(kV),	L3=8.5
1619	Sat	Aug	16	2008::07:06:19	---	07:44:56	1000.6k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.02(kV),	RAT-RAB=0.17(kV),	L3=8.5
1620	Sat	Aug	16	2008::07:45:32	---	08:24:34	1000.4k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.21(kV),	RAT-RAB=0.17(kV),	L3=8.5
1621	Sat	Aug	16	2008::08:25:10	---	09:04:17	1002.2k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.41(kV),	RAT-RAB=0.17(kV),	L3=8.5
1622	Sat	Aug	16	2008::09:04:53	---	09:45:11	1002.9k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.61(kV),	RAT-RAB=0.17(kV),	L3=8.5
1623	Sat	Aug	16	2008::09:45:46	---	10:24:23	1002.2k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.81(kV),	RAT-RAB=0.17(kV),	L3=8.5
1624	Sat	Aug	16	2008::10:25:04	---	11:04:36	1002.3k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.02(kV),	RAT-RAB=0.28(kV),	L3=8.5
1625	Sat	Aug	16	2008::11:05:12	---	11:43:54	1003.2k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.21(kV),	RAT-RAB=0.28(kV),	L3=8.5
1626	Sat	Aug	16	2008::11:44:30	---	12:46:38	1001.9k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.41(kV),	RAT-RAB=0.28(kV),	L3=8.5
1627	Sat	Aug	16	2008::12:47:13	---	13:25:51	1002.5k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.61(kV),	RAT-RAB=0.28(kV),	L3=8.5
1628	Sat	Aug	16	2008::13:26:26	---	14:04:29	1003.7k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/0.00(kV),	E=14.12(keV),	RAL-RAR=-1.81(kV),	RAT-RAB=0.28(kV),	L3=8.5
1629	Sat	Aug	16	2008::14:10:20	---	14:42:41	1002.8k	Ag	10x10	mm	on Ni, Bpar	~262(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/12.10(kV),	E=2.03(keV),	RAL-RAR=-1.02(kV),	RAT-RAB=0.08(kV),	L3=8.5
1630	Sat	Aug	16	2008::14:43:17	---	15:17:43	1002.1k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/12.10(kV),	E=2.03(keV),	RAL-RAR=-1.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1631	Sat	Aug	16	2008::15:18:19	---	15:52:35	1003.3k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/12.10(kV),	E=2.03(keV),	RAL-RAR=-1.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1632	Sat	Aug	16	2008::15:53:11	---	16:33:09	1001.3k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/12.10(kV),	E=2.03(keV),	RAL-RAR=-1.61(kV),	RAT-RAB=0.08(kV),	L3=8.5
1633	Sat	Aug	16	2008::16:33:44	---	17:12:47	1000.5k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=2.03(keV),	RAL-RAR=-1.81(kV),	RAT-RAB=0.08(kV),	L3=8.5
1634	Sat	Aug	16	2008::17:14:43	---	17:52:35	1000.8k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/12.10(kV),	E=4.02(keV),	RAL-RAR=-1.02(kV),	RAT-RAB=0.08(kV),	L3=8.5
1635	Sat	Aug	16	2008::17:53:10	---	18:31:33	1002.4k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.03(keV),	RAL-RAR=-1.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1636	Sat	Aug	16	2008::18:32:08	---	19:10:20	1002.0k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.03(keV),	RAL-RAR=-1.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1637	Sat	Aug	16	2008::19:10:56	---	19:49:13	1002.5k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.03(keV),	RAL-RAR=-1.61(kV),	RAT-RAB=0.08(kV),	L3=8.5
1638	Sat	Aug	16	2008::19:49:49	---	20:28:06	1001.1k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/10.10(kV),	E=4.03(keV),	RAL-RAR=-1.81(kV),	RAT-RAB=0.08(kV),	L3=8.5
1639	Sat	Aug	16	2008::20:30:02	---	21:07:54	1001.0k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-1.02(kV),	RAT-RAB=0.08(kV),	L3=8.5
1640	Sat	Aug	16	2008::21:08:30	---	21:46:47	1001.0k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-1.21(kV),	RAT-RAB=0.08(kV),	L3=8.5
1641	Sat	Aug	16	2008::21:47:22	---	22:25:59	1003.0k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.05(A),	T=20.00(K),	Tr/Sa=15.02/8.09(kV),	E=6.03(keV),	RAL-RAR=-1.41(kV),	RAT-RAB=0.08(kV),	L3=8.5
1642	Sat	Aug	16	2008::22:26:35	---	23:05:07	1002.1k	Ag	10x10	mm								

1653	Sun	Aug	17	2008::05:57:00	---	06:37:07	1002.1k	Ag	10x10	mm	on Ni, Bpar	~261(G)/8.04(A),	T=20.00(K),Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),RAL-RAR=-1.81(kV),RAT-RAB=0.08(kV),L3=8.5
1654	Sun	Aug	17	2008::06:44:02	---	07:23:15	1002.7k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/12.09(kV),	E=2.03(keV),RAL-RAR=-0.21(kV),RAT-RAB=0.08(kV),L3=8.5
1655	Sun	Aug	17	2008::07:23:51	---	08:03:44	1001.4k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/12.09(kV),	E=2.03(keV),RAL-RAR=-0.41(kV),RAT-RAB=0.08(kV),L3=8.5
1656	Sun	Aug	17	2008::08:04:20	---	08:44:53	1001.9k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/12.10(kV),	E=2.03(keV),RAL-RAR=-0.61(kV),RAT-RAB=0.08(kV),L3=8.5
1657	Sun	Aug	17	2008::08:45:28	---	09:26:21	1000.8k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/12.10(kV),	E=2.03(keV),RAL-RAR=-0.81(kV),RAT-RAB=0.08(kV),L3=8.5
1658	Sun	Aug	17	2008::09:26:57	---	10:08:36	1000.9k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/12.10(kV),	E=2.03(keV),RAL-RAR=-1.02(kV),RAT-RAB=0.08(kV),L3=8.5
1659	Sun	Aug	17	2008::10:10:32	---	10:50:05	1002.9k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/10.10(kV),	E=4.03(keV),RAL-RAR=-0.21(kV),RAT-RAB=0.08(kV),L3=8.5
1660	Sun	Aug	17	2008::10:50:41	---	11:31:09	1001.8k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/10.10(kV),	E=4.03(keV),RAL-RAR=-0.41(kV),RAT-RAB=0.08(kV),L3=8.5
1661	Sun	Aug	17	2008::11:31:45	---	12:11:49	1002.0k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/10.10(kV),	E=4.03(keV),RAL-RAR=-0.61(kV),RAT-RAB=0.08(kV),L3=8.5
1662	Sun	Aug	17	2008::12:12:24	---	12:52:53	1000.8k	Ag	10x10	mm	on Ni, Bpar	~155(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/10.10(kV),	E=4.03(keV),RAL-RAR=-0.81(kV),RAT-RAB=0.08(kV),L3=8.5
1663	Sun	Aug	17	2008::12:53:29	---	13:33:27	1001.8k	Ag	10x10	mm	on Ni, Bpar	~155(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/10.10(kV),	E=4.03(keV),RAL-RAR=-1.02(kV),RAT-RAB=0.08(kV),L3=8.5
1664	Sun	Aug	17	2008::13:35:23	---	14:15:30	1001.0k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/8.09(kV),	E=6.03(keV),RAL-RAR=-0.21(kV),RAT-RAB=0.08(kV),L3=8.5
1665	Sun	Aug	17	2008::14:16:05	---	14:56:02	1002.0k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/8.09(kV),	E=6.03(keV),RAL-RAR=-0.41(kV),RAT-RAB=0.08(kV),L3=8.5
1666	Sun	Aug	17	2008::14:56:37	---	15:37:25	1000.9k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/8.09(kV),	E=6.03(keV),RAL-RAR=-0.61(kV),RAT-RAB=0.08(kV),L3=8.5
1667	Sun	Aug	17	2008::15:38:00	---	16:28:38	1000.8k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/8.09(kV),	E=6.03(keV),RAL-RAR=-0.81(kV),RAT-RAB=0.08(kV),L3=8.5
1668	Sun	Aug	17	2008::16:29:13	---	17:11:52	1001.5k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/8.09(kV),	E=6.03(keV),RAL-RAR=-1.02(kV),RAT-RAB=0.08(kV),L3=8.5
1669	Sun	Aug	17	2008::17:13:48	---	17:53:31	1001.9k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/4.10(kV),	E=10.02(keV),RAL-RAR=-0.21(kV),RAT-RAB=0.08(kV),L3=8.5
1670	Sun	Aug	17	2008::17:54:06	---	18:33:59	1001.1k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/4.10(kV),	E=10.02(keV),RAL-RAR=-0.41(kV),RAT-RAB=0.08(kV),L3=8.5
1671	Sun	Aug	17	2008::18:34:34	---	19:15:09	1002.1k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/4.10(kV),	E=10.02(keV),RAL-RAR=-0.61(kV),RAT-RAB=0.08(kV),L3=8.5
1672	Sun	Aug	17	2008::19:15:44	---	19:56:18	1001.2k	Ag	10x10	mm	on Ni, Bpar	~155(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/4.10(kV),	E=10.03(keV),RAL-RAR=-0.81(kV),RAT-RAB=0.08(kV),L3=8.5
1673	Sun	Aug	17	2008::19:56:54	---	20:36:56	1002.2k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/4.10(kV),	E=10.02(keV),RAL-RAR=-1.02(kV),RAT-RAB=0.08(kV),L3=8.5
1674	Sun	Aug	17	2008::20:38:57	---	21:19:13	1002.0k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-0.01(kV),	E=14.13(keV),RAL-RAR=-0.21(kV),RAT-RAB=0.08(kV),L3=8.5
1675	Sun	Aug	17	2008::21:19:49	---	22:00:07	1002.0k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-0.01(kV),	E=14.13(keV),RAL-RAR=-0.41(kV),RAT-RAB=0.08(kV),L3=8.5
1676	Sun	Aug	17	2008::22:00:42	---	22:41:20	1001.5k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-0.01(kV),	E=14.13(keV),RAL-RAR=-0.61(kV),RAT-RAB=0.08(kV),L3=8.5
1677	Sun	Aug	17	2008::22:41:56	---	23:22:18	1002.7k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-0.01(kV),	E=14.13(keV),RAL-RAR=-0.81(kV),RAT-RAB=0.08(kV),L3=8.5
1678	Mon	Aug	18	2008::23:22:54	---	00:09:53	1001.4k	Ag	10x10	mm	on Ni, Bpar	~155(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-0.01(kV),	E=14.13(keV),RAL-RAR=-1.02(kV),RAT-RAB=0.08(kV),L3=8.5
1679	Mon	Aug	18	2008::00:13:44	---	00:53:57	1001.8k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),RAL-RAR=-0.21(kV),RAT-RAB=0.08(kV),L3=8.5
1680	Mon	Aug	18	2008::00:54:32	---	01:34:50	1000.7k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),RAL-RAR=-0.41(kV),RAT-RAB=0.08(kV),L3=8.5
1681	Mon	Aug	18	2008::01:35:26	---	02:16:19	1002.0k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),RAL-RAR=-0.61(kV),RAT-RAB=0.08(kV),L3=8.5
1682	Mon	Aug	18	2008::02:16:54	---	02:57:27	1002.3k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),RAL-RAR=-0.81(kV),RAT-RAB=0.08(kV),L3=8.5
1683	Mon	Aug	18	2008::02:58:02	---	03:38:30	1001.9k	Ag	10x10	mm	on Ni, Bpar	~154(G)/4.73(A),	T=20.00(K),Tr/Sa=15.02/-5.90(kV),	E=20.02(keV),RAL-RAR=-1.02(kV),RAT-RAB=0.08(kV),L3=8.5