CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

Counting Instrument:			2360		Detector:	43-68		Calibration Date:		9/18/2009								
Serial #:			225241		Serial #:	PR160790		12 month calibration:		OK								
Detector Active Area or Area Covered by Smear (cm^2):						126												
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA ($DPM/100cm^2$)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2270	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	1.15	1.03	8242.6	87.43				
Beta	0.2080	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	130.15	7.79	4472.3	113.95				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail				α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	MDA α (dpm)	MDA β (dpm)				
11/16/2009	1	253	16424	9238	0.5	126.5	8211.5	4492.5	PASS	PASS	PASS	PASS	13.38	147	Yes	Yes		
11/17/2009	2	267	16698	9456	1.0	133.5	8348.0	4594.5	PASS	PASS	PASS	PASS	16.75	151	Yes	Yes		
11/18/2009	2	252	16393	9384	1.0	126.0	8195.5	4566.0	PASS	PASS	PASS	PASS	16.75	147	Yes	Yes		

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2270	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	1.15	1.03	8242.6	87.43				
Beta	0.2080	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	130.15	7.79	4472.3	113.95				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2270	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	1.15	1.03	8242.6	87.43				
Beta	0.2080	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	130.15	7.79	4472.3	113.95				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2270	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	1.15	1.03	8242.6	87.43				
Beta	0.2080	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	130.15	7.79	4472.3	113.95				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2270	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	1.15	1.03	8242.6	87.43				
Beta	0.2080	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	130.15	7.79	4472.3	113.95				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

Counting Instrument:			2360		Detector:	43-68		Calibration Date:		9/18/2009								
Serial #:			184906		Serial #:	PR116721		12 month calibration:		OK								
Detector Active Area or Area Covered by Smear (cm^2):						126												
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA ($DPM/100cm^2$)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2150	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	0.75	0.68	7821.2	64.79				
Beta	0.2170	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	121.05	6.76	4592.1	45.10				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail				α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	MDA α (dpm)	MDA β (dpm)				
11/16/2009	1	250	15745	9388	0.5	125.0	7872.0	4569.0	PASS	PASS	PASS	PASS	14.12	140	Yes	Yes		
11/17/2009	1	238	15628	9347	0.5	119.0	7813.5	4554.5	PASS	PASS	PASS	PASS	14.12	137	Yes	Yes		
11/18/2009	1	233	15792	9508	0.5	116.5	7895.5	4637.5	PASS	PASS	PASS	PASS	14.12	135	Yes	Yes		

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2150	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	0.75	0.68	7821.2	64.79				
Beta	0.2170	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	121.05	6.76	4592.1	45.10				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2150	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	0.75	0.68	7821.2	64.79				
Beta	0.2170	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	121.05	6.76	4592.1	45.10				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2150	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	0.75	0.68	7821.2	64.79				
Beta	0.2170	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	121.05	6.76	4592.1	45.10				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.2150	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	0.75	0.68	7821.2	64.79				
Beta	0.2170	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	121.05	6.76	4592.1	45.10				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

Counting Instrument:			2360		Detector:	43-37		Calibration Date:		9/18/2009								
Serial #:			145474		Serial #:	PR066273		12 month calibration:		OK								
Detector Active Area or Area Covered by Smear (cm^2):						582												
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA ($DPM/100cm^2$)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.0700	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	5.60	1.17	2543.7	277.80				
Beta	0.1500	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	158.35	17.92	3132.3	167.44				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail				α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	MDA α (dpm)	MDA β (dpm)				
11/16/2009	10	366	5941	6742	5.0	183.0	2965.5	3188.0	PASS	PASS	PASS	PASS	21.74	53	Yes	Yes		
11/17/2009	8	301	4734	6669	4.0	150.5	2363.0	3184.0	PASS	PASS	PASS	PASS	19.83	48	Yes	Yes		
11/18/2009	8	362	5038	6714	4.0	181.0	2515.0	3176.0	PASS	PASS	PASS	PASS	19.83	52	Yes	Yes		

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.0700	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	5.60	1.17	2543.7	277.80				
Beta	0.1500	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	158.35	17.92	3132.3	167.44				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.0700	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	5.60	1.17	2543.7	277.80				
Beta	0.1500	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	158.35	17.92	3132.3	167.44				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.0700	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	5.60	1.17	2543.7	277.80				
Beta	0.1500	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	158.35	17.92	3132.3	167.44				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.0700	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	101	2	2	5.60	1.17	2543.7	277.80				
Beta	0.1500	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	7050	2	2	158.35	17.92	3132.3	167.44				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

Counting Instrument:			2929		Detector:	43-10-1		Calibration Date:		9/18/2009								
Serial #:			152275		Serial #:	PR155350		12 month calibration:		OK								
Detector Active Area or Area Covered by Smear (cm^2):						100												
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA ($DPM/100cm^2$)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.3960	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	10.1	5	3	0.10	0.19	14373.8	98.84				
Beta	0.1950	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	705	5	3	33.88	3.10	4327.5	35.99				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail				α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	MDA α (dpm)	MDA β (dpm)				
11/16/2009	0	166	42621	13112	0.0	33.2	14207.0	4337.5	PASS	PASS	PASS	PASS	2.53	76	Yes	Yes	MB	MB
11/17/2009	2	169	43131	13057	0.4	33.8	14376.6	4318.5	PASS	PASS	PASS	PASS	6.36	77	Yes	Yes	MB	MB
11/18/2009	1	167	43153	13171	0.2	33.4	14384.1	4356.9	PASS	PASS	PASS	PASS	5.24	76	Yes	Yes	MB	MB
11/19/2009	1	163	43453	13104	0.2	32.6	14484.1	4335.4	PASS	PASS	PASS	PASS	5.24	75	Yes	Yes	AW	AW

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.3960	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	10.1	5	3	0.10	0.19	14373.8	98.84				
Beta	0.1950	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	705	5	3	33.88	3.10	4327.5	35.99				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.3960	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	10.1	5	3	0.10	0.19	14373.8	98.84				
Beta	0.1950	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	705	5	3	33.88	3.10	4327.5	35.99				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
Alpha	0.3960	Pu-239	48262	36,300	1/9/2004	2.41E+04	36,294	10.1	5	3	0.10	0.19	14373.8	98.84				
Beta	0.1950	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	705	5	3	33.88	3.10	4327.5	35.99				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

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	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm^2)	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm				
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Beta	0.1950	Tc-99	971-115-3	21,500	1/29/2004	2.11E+05	21,500	705	5	3	33.88	3.10	4327.5	35.99				

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						

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α eff	β eff
0.3960	0.1950

Sample Count Time (min)	Daily Background Count Time (min)
3.0	5.0

dpm/100 cm^2 α Flag	dpm/100 cm^2 β Flag
10	705

* Morning Daily Count

seq. #	Sample ID# and Description	Date	Background Total Counts* α	Background Total Counts* β	Sample Total Counts α	Sample Total Counts β	Background (cpm) α	Background (cpm) β	Sample Counts (cpm) α	Sample Counts (cpm) β	Sample (dpm/100 cm^2) α	Sample (dpm/100 cm^2) β	> α flag	> β flag	Tech. Initial
1	SU01-01	11/18/2009	0	0	0	103	0.0	0.0	0.00	34	0.0	176			AW
2	SU01-01-dup	11/18/2009	0	0	0	123	0.0	0.0	0.00	41	0.0	210			AW
3	SU01-02	11/18/2009	0	0	0	132	0.0	0.0	0.00	44	0.0	226			AW
4	SU01-03	11/18/2009	0	0	0	139	0.0	0.0	0.00	46	0.0	238			AW
5	SU01-04	11/18/2009	0	0	0	125	0.0	0.0	0.00	42	0.0	214			AW
6	SU01-05	11/18/2009	0	0	0	131	0.0	0.0	0.00	44	0.0	224			AW
7	SU01-06	11/18/2009	0	0	0	120	0.0	0.0	0.00	40	0.0	205			AW
8	SU01-06-dup	11/18/2009	0	0	1	125	0.0	0.0	0.33	42	0.8	214			AW
9	SU01-07	11/18/2009	0	0	2	114	0.0	0.0	0.67	38	1.7	195			AW
10	SU01-08	11/18/2009	0	0	0	116	0.0	0.0	0.00	39	0.0	198			AW
11	SU01-09	11/18/2009	0	0	0	126	0.0	0.0	0.00	42	0.0	215			AW
12	SU01-10	11/18/2009	0	0	0	114	0.0	0.0	0.00	38	0.0	195			AW
13	SU01-11	11/18/2009	0	0	0	105	0.0	0.0	0.00	35	0.0	179			AW
14	SU01-12	11/18/2009	0	0	0	121	0.0	0.0	0.00	40	0.0	207			AW
15	SU01-12-dup	11/18/2009	0	0	0	104	0.0	0.0	0.00	35	0.0	178			AW
16	SU01-13	11/18/2009	0	0	0	120	0.0	0.0	0.00	40	0.0	205			AW
17	SU01-14	11/18/2009	0	0	1	111	0.0	0.0	0.33	37	0.8	190			AW
18	SU01-15	11/18/2009	0	0	0	128	0.0	0.0	0.00	43	0.0	219			AW
19	SU01-16	11/18/2009	0	0	0	113	0.0	0.0	0.00	38	0.0	193			AW
20	SU01-17	11/18/2009	0	0	1	127	0.0	0.0	0.33	42	0.8	217			AW
21	SU01-18	11/18/2009	0	0	0	109	0.0	0.0	0.00	36	0.0	186			AW
22	SU01-19	11/18/2009	0	0	0	101	0.0	0.0	0.00	34	0.0	173			AW
23	SU01-20	11/18/2009	0	0	0	122	0.0	0.0	0.00	41	0.0	209			AW
24	SU01-21	11/18/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW
25	SU01-22	11/18/2009	0	0	0	117	0.0	0.0	0.00	39	0.0	200			AW
26	SU01-23	11/18/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
27	SU01-24	11/18/2009	0	0	0	101	0.0	0.0	0.00	34	0.0	173			AW
28	SU01-25	11/18/2009	0	0	0	103	0.0	0.0	0.00	34	0.0	176			AW
29	SU01-26	11/18/2009	0	0	1	118	0.0	0.0	0.33	39	0.8	202			AW
30	SU01-27	11/18/2009	0	0	0	104	0.0	0.0	0.00	35	0.0	178			AW
31	SU01-28	11/18/2009	0	0	1	107	0.0	0.0	0.33	36	0.8	183			AW
32	SU01-29	11/18/2009	0	0	2	113	0.0	0.0	0.67	38	1.7	193			AW
33	SU01-30	11/18/2009	0	0	1	99	0.0	0.0	0.33	33	0.8	169			AW
34	SU01-BS-01	11/19/2009	0	0	0	105	0.0	0.0	0.00	35	0.0	179			AW
35	SU01-BS-02	11/19/2009	0	0	0	109	0.0	0.0	0.00	36	0.0	186			AW
36	SU01-BS-03	11/19/2009	0	0	0	103	0.0	0.0	0.00	34	0.0	176			AW
37	SU01-BS-04	11/19/2009	0	0	0	117	0.0	0.0	0.00	39	0.0	200			AW
38	SU01-BS-05	11/19/2009	0	0	0	124	0.0	0.0	0.00	41	0.0	212			AW
39	SU01-BS-06	11/19/2009	0	0	0	115	0.0	0.0	0.00	38	0.0	197			AW
40	SU01-BS-07	11/19/2009	0	0	0	115	0.0	0.0	0.00	38	0.0	197			AW
41	SU01-BS-08	11/19/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
42	SU01-BS-09	11/19/2009	0	0	0	96	0.0	0.0	0.00	32	0.0	164			AW
43	SU01-BS-10	11/19/2009	0	0	0	103	0.0	0.0	0.00	34	0.0	176			AW
44	SU01-BS-11	11/19/2009	0	0	0	119	0.0	0.0	0.00	40	0.0	203			AW
45	SU01-BS-12	11/19/2009	0	0	0	105	0.0	0.0	0.00	35	0.0	179			AW

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46	SU01-BS-13	11/19/2009	0	0	0	95	0.0	0.0	0.00	32	0.0	162			AW
47	SU01-BS-14	11/19/2009	0	0	0	101	0.0	0.0	0.00	34	0.0	173			AW
48	SU01-BS-15	11/19/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW
49	SU02-31-TOP	11/19/2009	0	0	0	115	0.0	0.0	0.00	38	0.0	197			AW
50	SU02-31-BOTTOM	11/19/2009	0	0	0	99	0.0	0.0	0.00	33	0.0	169			AW
51	SU02-32-TOP	11/19/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW
52	SU02-33-TOP	11/19/2009	0	0	1	116	0.0	0.0	0.33	39	0.8	198			AW
53	SU02-33-BOTTOM	11/19/2009	0	0	1	132	0.0	0.0	0.33	44	0.8	226			AW
54	SU02-34-TOP	11/19/2009	0	0	0	102	0.0	0.0	0.00	34	0.0	174			AW
55	SU02-34-BOTTOM	11/19/2009	0	0	0	117	0.0	0.0	0.00	39	0.0	200			AW
56	SU02-35-TOP	11/19/2009	0	0	0	98	0.0	0.0	0.00	33	0.0	168			AW
57	SU02-35-BOTTOM	11/19/2009	0	0	1	103	0.0	0.0	0.33	34	0.8	176			AW
58	SU02-36-TOP	11/19/2009	0	0	1	87	0.0	0.0	0.33	29	0.8	149			AW
59	SU02-36-BOTTOM	11/19/2009	0	0	2	107	0.0	0.0	0.67	36	1.7	183			AW
60	SU02-37-TOP	11/19/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
61	SU02-37-BOTTOM	11/19/2009	0	0	2	112	0.0	0.0	0.67	37	1.7	191			AW
62	SU02-37-BOTTOM-dup	11/19/2009	0	0	0	107	0.0	0.0	0.00	36	0.0	183			AW
63	SU02-38-TOP	11/19/2009	0	0	0	111	0.0	0.0	0.00	37	0.0	190			AW
64	SU02-38-BOTTOM	11/19/2009	0	0	0	118	0.0	0.0	0.00	39	0.0	202			AW
65	SU02-38-BOTTOM-dup	11/19/2009	0	0	0	105	0.0	0.0	0.00	35	0.0	179			AW
66	SU02-39-TOP	11/19/2009	0	0	0	111	0.0	0.0	0.00	37	0.0	190			AW
67	SU02-39-BOTTOM	11/19/2009	0	0	0	108	0.0	0.0	0.00	36	0.0	185			AW
68	SU02-40-TOP	11/19/2009	0	0	1	99	0.0	0.0	0.33	33	0.8	169			AW
69	SU02-40-BOTTOM	11/19/2009	0	0	0	92	0.0	0.0	0.00	31	0.0	157			AW
70	SU02-41-TOP	11/19/2009	0	0	1	93	0.0	0.0	0.33	31	0.8	159			AW
71	SU02-41-BOTTOM	11/19/2009	0	0	0	111	0.0	0.0	0.00	37	0.0	190			AW
72	SU02-42-TOP	11/19/2009	0	0	1	111	0.0	0.0	0.33	37	0.8	190			AW
73	SU02-42-BOTTOM	11/19/2009	0	0	1	115	0.0	0.0	0.33	38	0.8	197			AW
74	SU02-43-TOP	11/19/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
75	SU02-43-BOTTOM	11/19/2009	0	0	0	116	0.0	0.0	0.00	39	0.0	198			AW
76	SU02-44-TOP	11/19/2009	0	0	0	104	0.0	0.0	0.00	35	0.0	178			AW
77	SU02-44-BOTTOM	11/19/2009	0	0	0	107	0.0	0.0	0.00	36	0.0	183			AW
78	SU02-45-TOP	11/19/2009	0	0	0	102	0.0	0.0	0.00	34	0.0	174			AW
79	SU02-45-BOTTOM	11/19/2009	0	0	0	125	0.0	0.0	0.00	42	0.0	214			AW
80	SU02-46-TOP	11/19/2009	0	0	0	114	0.0	0.0	0.00	38	0.0	195			AW
81	SU02-46-BOTTOM	11/19/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW
82	SU02-46-BOTTOM-dup	11/19/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
83	SU02-47-TOP	11/19/2009	0	0	2	123	0.0	0.0	0.67	41	1.7	210			AW
84	SU02-47-BOTTOM	11/19/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
85	SU02-48-TOP	11/19/2009	0	0	0	98	0.0	0.0	0.00	33	0.0	168			AW
86	SU02-48-BOTTOM	11/19/2009	0	0	1	113	0.0	0.0	0.33	38	0.8	193			AW
87	SU02-49-TOP	11/19/2009	0	0	0	131	0.0	0.0	0.00	44	0.0	224			AW
88	SU02-49-BOTTOM	11/19/2009	0	0	1	117	0.0	0.0	0.33	39	0.8	200			AW
89	SU02-50-TOP	11/19/2009	0	0	1	110	0.0	0.0	0.33	37	0.8	188			AW
90	SU02-50-BOTTOM	11/19/2009	0	0	2	111	0.0	0.0	0.67	37	1.7	190			AW
91	SU02-51-TOP	11/19/2009	0	0	3	113	0.0	0.0	1.00	38	2.5	193			AW
92	SU02-51-BOTTOM	11/19/2009	0	0	0	113	0.0	0.0	0.00	38	0.0	193			AW
93	SU02-52-TOP	11/19/2009	0	0	0	107	0.0	0.0	0.00	36	0.0	183			AW
94	SU02-52-BOTTOM	11/19/2009	0	0	0	120	0.0	0.0	0.00	40	0.0	205			AW
95	SU02-53-TOP	11/19/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW
96	SU02-53-BOTTOM	11/19/2009	0	0	0	104	0.0	0.0	0.00	35	0.0	178			AW
97	SU02-54-TOP	11/19/2009	0	0	1	116	0.0	0.0	0.33	39	0.8	198			AW
98	SU02-54-BOTTOM	11/19/2009	0	0	0	118	0.0	0.0	0.00	39	0.0	202			AW
99	SU02-55-TOP	11/19/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW

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100	SU02-55-BOTTOM	11/19/2009	0	0	0	135	0.0	0.0	0.00	45	0.0	231			AW
101	SU02-56-TOP	11/19/2009	0	0	1	119	0.0	0.0	0.33	40	0.8	203			AW
102	SU02-56-BOTTOM	11/19/2009	0	0	0	135	0.0	0.0	0.00	45	0.0	231			AW
103	SU02-57-TOP	11/19/2009	0	0	1	129	0.0	0.0	0.33	43	0.8	221			AW
104	SU02-57-BOTTOM	11/19/2009	0	0	0	103	0.0	0.0	0.00	34	0.0	176			AW
105	SU02-58-TOP	11/19/2009	0	0	0	114	0.0	0.0	0.00	38	0.0	195			AW
106	SU02-58-BOTTOM	11/19/2009	0	0	0	105	0.0	0.0	0.00	35	0.0	179			AW
107	SU02-59-TOP	11/19/2009	0	0	0	121	0.0	0.0	0.00	40	0.0	207			AW
108	SU02-59-BOTTOM	11/19/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW
109	SU02-60-TOP	11/19/2009	0	0	0	108	0.0	0.0	0.00	36	0.0	185			AW
110	SU02-60-BOTTOM	11/19/2009	0	0	0	107	0.0	0.0	0.00	36	0.0	183			AW
111	SU02-BS-01	11/19/2009	0	0	0	120	0.0	0.0	0.00	40	0.0	205			AW
112	SU02-BS-02	11/19/2009	0	0	2	114	0.0	0.0	0.67	38	1.7	195			AW
113	SU02-BS-03	11/19/2009	0	0	1	118	0.0	0.0	0.33	39	0.8	202			AW
114	SU03-61	11/19/2009	0	0	0	125	0.0	0.0	0.00	42	0.0	214			AW
115	SU03-62	11/19/2009	0	0	3	107	0.0	0.0	1.00	36	2.5	183			AW
116	SU03-63	11/19/2009	0	0	1	129	0.0	0.0	0.33	43	0.8	221			AW
117	SU03-64	11/19/2009	0	0	0	100	0.0	0.0	0.00	33	0.0	171			AW
118	SU03-65	11/19/2009	0	0	0	122	0.0	0.0	0.00	41	0.0	209			AW
119	SU03-66	11/19/2009	0	0	0	120	0.0	0.0	0.00	40	0.0	205			AW
120	SU03-67	11/19/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
121	SU03-68	11/19/2009	0	0	1	113	0.0	0.0	0.33	38	0.8	193			AW
122	SU03-69	11/19/2009	0	0	0	103	0.0	0.0	0.00	34	0.0	176			AW
123	SU03-70	11/19/2009	0	0	0	121	0.0	0.0	0.00	40	0.0	207			AW
124	SU03-71	11/19/2009	0	0	0	140	0.0	0.0	0.00	47	0.0	239			AW
125	SU03-72	11/19/2009	0	0	0	124	0.0	0.0	0.00	41	0.0	212			AW
126	SU03-73	11/19/2009	0	0	0	123	0.0	0.0	0.00	41	0.0	210			AW
127	SU03-74	11/19/2009	0	0	0	119	0.0	0.0	0.00	40	0.0	203			AW
128	SU03-75	11/19/2009	0	0	0	109	0.0	0.0	0.00	36	0.0	186			AW
129	SU03-76	11/19/2009	0	0	0	122	0.0	0.0	0.00	41	0.0	209			AW
130	SU03-77	11/19/2009	0	0	1	138	0.0	0.0	0.33	46	0.8	236			AW
131	SU03-78	11/19/2009	0	0	0	116	0.0	0.0	0.00	39	0.0	198			AW
132	SU03-79	11/19/2009	0	0	0	110	0.0	0.0	0.00	37	0.0	188			AW
133	SU03-80	11/19/2009	0	0	1	120	0.0	0.0	0.33	40	0.8	205			AW
134	SU03-81	11/19/2009	0	0	0	117	0.0	0.0	0.00	39	0.0	200			AW
135	SU03-82	11/19/2009	0	0	1	119	0.0	0.0	0.33	40	0.8	203			AW
136	SU03-83	11/19/2009	0	0	0	108	0.0	0.0	0.00	36	0.0	185			AW
137	SU03-83-dup	11/19/2009	0	0	0	112	0.0	0.0	0.00	37	0.0	191			AW
138	SU03-84	11/19/2009	0	0	0	124	0.0	0.0	0.00	41	0.0	212			AW
139	SU03-85	11/19/2009	0	0	2	102	0.0	0.0	0.67	34	1.7	174			AW
140	SU03-85-dup	11/19/2009	0	0	1	127	0.0	0.0	0.33	42	0.8	217			AW
141	SU03-86	11/19/2009	0	0	0	117	0.0	0.0	0.00	39	0.0	200			AW
142	SU03-87	11/19/2009	0	0	1	118	0.0	0.0	0.33	39	0.8	202			AW
143	SU03-87-dup	11/19/2009	0	0	1	126	0.0	0.0	0.33	42	0.8	215			AW
144	SU03-88	11/19/2009	0	0	0	120	0.0	0.0	0.00	40	0.0	205			AW
145	SU03-89	11/19/2009	0	0	0	127	0.0	0.0	0.00	42	0.0	217			AW
146	SU03-90	11/19/2009	0	0	0	111	0.0	0.0	0.00	37	0.0	190			AW
147	SU03-BS-01	11/19/2009	0	0	1	125	0.0	0.0	0.33	42	0.8	214			AW
148	SU03-BS-02	11/19/2009	0	0	0	128	0.0	0.0	0.00	43	0.0	219			AW
149	SU03-BS-03	11/19/2009	0	0	0	133	0.0	0.0	0.00	44	0.0	227			AW
150															
151	REF-GLASS	11/19/2009	0	0	0	123	0.0	0.0	0.00	41	0.0	210			AW
152	REF-VINYL	11/19/2009	0	0	0	115	0.0	0.0	0.00	38	0.0	197			AW
153	REF-CARPET	11/19/2009	0	0	1	127	0.0	0.0	0.33	42	0.8	217			AW

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154	REF-CEILING	11/19/2009	0	0	0	97	0.0	0.0	0.00	32	0.0	166			AW
155	REF-CONCRETE	11/19/2009	0	0	1	121	0.0	0.0	0.33	40	0.8	207			AW
156	REF-CERAMIC	11/19/2009	0	0	1	118	0.0	0.0	0.33	39	0.8	202			AW
157	REF-STEEL	11/19/2009	0	0	0	119	0.0	0.0	0.00	40	0.0	203			AW
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CABRERA SMEAR COUNTING WORKSHEET (Rev 6)

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CABRERA STATIC COUNTING WORKSHEET (Rev 6)

Detector Active Area (cm^2)	α eff	β eff	Static Count Time (min)	Daily Background Count Time (min)	dpm/100 cm^2 α Flag	dpm/100 cm^2 β Flag
126	0.2270	0.2080	2.0	2.0	101	7050

* Morning Daily Count

seq. #	Sample ID# and Description	Date	Background Total Counts* α	Background Total Counts* β	Sample Total Counts α	Sample Total Counts β	Background (cpm) α	Background (cpm) β	Sample Counts (cpm) α	Sample Counts (cpm) β	Sample (dpm/100 cm^2) α	Sample (dpm/100 cm^2) β	> α flag	> β flag	Tech. Initial
1	SU02-31-TOP	11/17/2009	2	267	1	265	1.0	133.5	0.50	133	-1.7	-4			KK/AC
2	SU02-31-BOTTOM	11/17/2009	2	267	0	390	1.0	133.5	0.00	195	-3.5	235			KK/AC
3	SU02-32-TOP	11/17/2009	2	267	8	415	1.0	133.5	4.00	208	10.5	282			KK/AC
4	SU02-33-TOP	11/17/2009	2	267	3	336	1.0	133.5	1.50	168	1.7	132			KK/AC
5	SU02-33-BOTTOM	11/17/2009	2	267	2	333	1.0	133.5	1.00	167	0.0	126			KK/AC
6	SU02-34-TOP	11/17/2009	2	267	4	312	1.0	133.5	2.00	156	3.5	86			KK/AC
7	SU02-34-BOTTOM	11/17/2009	2	267	7	353	1.0	133.5	3.50	177	8.7	164			KK/AC
8	SU02-35-TOP	11/17/2009	2	267	1	336	1.0	133.5	0.50	168	-1.7	132			KK/AC
9	SU02-35-BOTTOM	11/17/2009	2	267	3	400	1.0	133.5	1.50	200	1.7	254			KK/AC
10	SU02-36-TOP	11/17/2009	2	267	1	312	1.0	133.5	0.50	156	-1.7	86			KK/AC
11	SU02-36-BOTTOM	11/17/2009	2	267	1	329	1.0	133.5	0.50	165	-1.7	118			KK/AC
12	SU02-37-TOP	11/17/2009	2	267	1	386	1.0	133.5	0.50	193	-1.7	227			KK/AC
13	SU02-37-BOTTOM	11/17/2009	2	267	5	387	1.0	133.5	2.50	194	5.2	229			KK/AC
14	SU02-38-TOP	11/17/2009	2	267	2	326	1.0	133.5	1.00	163	0.0	113			KK/AC
15	SU02-38-BOTTOM	11/17/2009	2	267	4	421	1.0	133.5	2.00	211	3.5	294			KK/AC
16	SU02-39-TOP	11/17/2009	2	267	1	300	1.0	133.5	0.50	150	-1.7	63			KK/AC
17	SU02-39-BOTTOM	11/17/2009	2	267	7	465	1.0	133.5	3.50	233	8.7	378			KK/AC
18	SU02-40-TOP	11/17/2009	2	267	2	304	1.0	133.5	1.00	152	0.0	71			KK/AC
19	SU02-40-BOTTOM	11/17/2009	2	267	6	420	1.0	133.5	3.00	210	7.0	292			KK/AC
20	SU02-41-TOP	11/17/2009	2	267	1	332	1.0	133.5	0.50	166	-1.7	124			KK/AC
21	SU02-41-BOTTOM	11/17/2009	2	267	7	424	1.0	133.5	3.50	212	8.7	300			KK/AC
22	SU02-42-TOP	11/17/2009	2	267	1	322	1.0	133.5	0.50	161	-1.7	105			KK/AC
23	SU02-42-BOTTOM	11/17/2009	2	267	4	429	1.0	133.5	2.00	215	3.5	309			KK/AC
24	SU02-43-TOP	11/17/2009	2	267	2	373	1.0	133.5	1.00	187	0.0	202			KK/AC
25	SU02-43-BOTTOM	11/17/2009	2	267	11	423	1.0	133.5	5.50	212	15.7	298			KK/AC
26	SU02-44-TOP	11/17/2009	2	267	4	414	1.0	133.5	2.00	207	3.5	280			KK/AC
27	SU02-44-BOTTOM	11/17/2009	2	267	9	506	1.0	133.5	4.50	253	12.2	456			KK/AC
28	SU02-45-TOP	11/17/2009	2	267	0	310	1.0	133.5	0.00	155	-3.5	82			KK/AC
29	SU02-45-BOTTOM	11/17/2009	2	267	2	341	1.0	133.5	1.00	171	0.0	141			KK/AC
30	SU02-46-TOP	11/17/2009	2	267	2	292	1.0	133.5	1.00	146	0.0	48			KK/AC
31	SU02-46-BOTTOM	11/17/2009	2	267	2	392	1.0	133.5	1.00	196	0.0	238			KK/AC
32	SU02-47-TOP	11/17/2009	2	267	0	297	1.0	133.5	0.00	149	-3.5	57			KK/AC
33	SU02-47-BOTTOM	11/17/2009	2	267	6	439	1.0	133.5	3.00	220	7.0	328			KK/AC
34	SU02-48-TOP	11/17/2009	2	267	3	343	1.0	133.5	1.50	172	1.7	145			KK/AC
35	SU02-48-BOTTOM	11/17/2009	2	267	4	430	1.0	133.5	2.00	215	3.5	311			KK/AC
36	SU02-49-TOP	11/17/2009	2	267	4	353	1.0	133.5	2.00	177	3.5	164			KK/AC
37	SU02-49-BOTTOM	11/17/2009	2	267	8	397	1.0	133.5	4.00	199	10.5	248			KK/AC
38	SU02-50-TOP	11/17/2009	2	267	2	300	1.0	133.5	1.00	150	0.0	63			KK/AC
39	SU02-50-BOTTOM	11/17/2009	2	267	4	324	1.0	133.5	2.00	162	3.5	109			KK/AC
41	SU02-51-TOP	11/17/2009	2	267	0	344	1.0	133.5	0.00	172	-3.5	147			KK/AC
42	SU02-51-BOTTOM	11/17/2009	2	267	5	382	1.0	133.5	2.50	191	5.2	219			KK/AC
43	SU02-52-TOP	11/17/2009	2	267	4	357	1.0	133.5	2.00	179	3.5	172			KK/AC
44	SU02-52-BOTTOM	11/17/2009	2	267	2	358	1.0	133.5	1.00	179	0.0	174			KK/AC

CABRERA STATIC COUNTING WORKSHEET (Rev 6)

45	SU02-53-TOP	11/17/2009	2	267	1	357	1.0	133.5	0.50	179	-1.7	172			KK/AC
46	SU02-53-BOTTOM	11/17/2009	2	267	2	387	1.0	133.5	1.00	194	0.0	229			KK/AC
47	SU02-54-TOP	11/17/2009	2	267	2	318	1.0	133.5	1.00	159	0.0	97			KK/AC
48	SU02-54-BOTTOM	11/17/2009	2	267	1	381	1.0	133.5	0.50	191	-1.7	217			KK/AC
49	SU02-55-TOP	11/17/2009	2	267	0	330	1.0	133.5	0.00	165	-3.5	120			KK/AC
50	SU02-55-BOTTOM	11/17/2009	2	267	6	414	1.0	133.5	3.00	207	7.0	280			KK/AC
51	SU02-56-TOP	11/17/2009	2	267	1	333	1.0	133.5	0.50	167	-1.7	126			KK/AC
52	SU02-56-BOTTOM	11/17/2009	2	267	2	405	1.0	133.5	1.00	203	0.0	263			KK/AC
53	SU02-57-TOP	11/17/2009	2	267	2	382	1.0	133.5	1.00	191	0.0	219			KK/AC
54	SU02-57-BOTTOM	11/17/2009	2	267	4	351	1.0	133.5	2.00	176	3.5	160			KK/AC
55	SU02-58-TOP	11/17/2009	2	267	2	287	1.0	133.5	1.00	144	0.0	38			KK/AC
56	SU02-58-BOTTOM	11/17/2009	2	267	2	289	1.0	133.5	1.00	145	0.0	42			KK/AC
57	SU02-59-TOP	11/17/2009	2	267	2	325	1.0	133.5	1.00	163	0.0	111			KK/AC
58	SU02-59-BOTTOM	11/17/2009	2	267	3	459	1.0	133.5	1.50	230	1.7	366			KK/AC
59	SU02-60-TOP	11/17/2009	2	267	2	306	1.0	133.5	1.00	153	0.0	74			KK/AC
60	SU02-60-BOTTOM	11/17/2009	2	267	1	361	1.0	133.5	0.50	181	-1.7	179			KK/AC
61	SU02-BS-01	11/17/2009	2	267	2	315	1.0	133.5	1.00	158	0.0	92			KK/AC
62	SU02-BS-02	11/17/2009	2	267	3	321	1.0	133.5	1.50	161	1.7	103			KK/AC
63	SU02-BS-03	11/17/2009	2	267	2	317	1.0	133.5	1.00	159	0.0	95			KK/AC
64															KK/AC
65	SU03-62	11/18/2009	2	252	0	280	1.0	126.0	0.00	140	-3.5	53			KK/AC
66	SU03-63	11/18/2009	2	252	0	269	1.0	126.0	0.00	135	-3.5	32			KK/AC
67	SU03-65	11/18/2009	2	252	0	296	1.0	126.0	0.00	148	-3.5	84			KK/AC
68	SU03-68	11/18/2009	2	252	1	301	1.0	126.0	0.50	151	-1.7	93			KK/AC
69	SU03-69	11/18/2009	2	252	0	261	1.0	126.0	0.00	131	-3.5	17			KK/AC
70	SU03-71	11/18/2009	2	252	2	281	1.0	126.0	1.00	141	0.0	55			KK/AC
71	SU03-74	11/18/2009	2	252	1	295	1.0	126.0	0.50	148	-1.7	82			KK/AC
72	SU03-76	11/18/2009	2	252	1	296	1.0	126.0	0.50	148	-1.7	84			KK/AC
73	SU03-77	11/18/2009	2	252	1	341	1.0	126.0	0.50	171	-1.7	170			KK/AC
74	SU03-79	11/18/2009	2	252	1	329	1.0	126.0	0.50	165	-1.7	147			KK/AC
75	SU03-80	11/18/2009	2	252	1	314	1.0	126.0	0.50	157	-1.7	118			KK/AC
76	SU03-82	11/18/2009	2	252	0	342	1.0	126.0	0.00	171	-3.5	172			KK/AC
77	SU03-84	11/18/2009	2	252	0	296	1.0	126.0	0.00	148	-3.5	84			KK/AC
78	SU03-86	11/18/2009	2	252	7	305	1.0	126.0	3.50	153	8.7	101			KK/AC
79	SU03-89	11/18/2009	2	252	3	335	1.0	126.0	1.50	168	1.7	158			KK/AC
80															
81	REF-CEILING-01	11/16/2009	0	0	1	312	0.0	0.0	0.50	156	1.7	595			AC
82	REF-CEILING-02	11/16/2009	0	0	0	290	0.0	0.0	0.00	145	0.0	553			AC
83	REF-CEILING-03	11/16/2009	0	0	1	320	0.0	0.0	0.50	160	1.7	611			AC
84	REF-CEILING-04	11/16/2009	0	0	2	327	0.0	0.0	1.00	164	3.5	624			AC
85	REF-CEILING-05	11/16/2009	0	0	1	353	0.0	0.0	0.50	177	1.7	673			AC
86	REF-VINYL-01	11/16/2009	0	0	4	208	0.0	0.0	2.00	104	7.0	397			AC
87	REF-VINYL-02	11/16/2009	0	0	1	225	0.0	0.0	0.50	113	1.7	429			AC
88	REF-VINYL-03	11/16/2009	0	0	2	226	0.0	0.0	1.00	113	3.5	431			AC
89	REF-VINYL-04	11/16/2009	0	0	0	220	0.0	0.0	0.00	110	0.0	420			AC
90	REF-VINYL-05	11/16/2009	0	0	0	226	0.0	0.0	0.00	113	0.0	431			AC
91	REF-GLAZED-01	11/16/2009	0	0	9	489	0.0	0.0	4.50	245	15.7	933			AC
92	REF-GLAZED-02	11/16/2009	0	0	13	494	0.0	0.0	6.50	247	22.7	942			AC
93	REF-GLAZED-03	11/16/2009	0	0	11	517	0.0	0.0	5.50	259	19.2	986			AC
94	REF-GLAZED-04	11/16/2009	0	0	10	495	0.0	0.0	5.00	248	17.5	944			AC
95	REF-GLAZED-05	11/16/2009	0	0	6	503	0.0	0.0	3.00	252	10.5	960			AC
96	REF-CARPET-01	11/16/2009	0	0	0	214	0.0	0.0	0.00	107	0.0	408			AC

CABRERA STATIC COUNTING WORKSHEET (Rev 6)

97	REF-CARPET-02	11/16/2009	0	0	2	188	0.0	0.0	1.00	94	3.5	359			AC
98	REF-CARPET-03	11/16/2009	0	0	1	226	0.0	0.0	0.50	113	1.7	431			AC
99	REF-CARPET-04	11/16/2009	0	0	2	198	0.0	0.0	1.00	99	3.5	378			AC
100	REF-CARPET-05	11/16/2009	0	0	1	211	0.0	0.0	0.50	106	1.7	403			AC
101	REF-CONCRETE-01	11/16/2009	0	0	1	278	0.0	0.0	0.50	139	1.7	530			AC
102	REF-CONCRETE-02	11/16/2009	0	0	1	278	0.0	0.0	0.50	139	1.7	530			AC
103	REF-CONCRETE-03	11/16/2009	0	0	2	269	0.0	0.0	1.00	135	3.5	513			AC
104	REF-CONCRETE-04	11/16/2009	0	0	1	263	0.0	0.0	0.50	132	1.7	502			AC
105	REF-CONCRETE-05	11/16/2009	0	0	1	264	0.0	0.0	0.50	132	1.7	504			AC
106	REF-GLASS-01	11/16/2009	0	0	4	230	0.0	0.0	2.00	115	7.0	439			AC
107	REF-GLASS-02	11/16/2009	0	0	3	245	0.0	0.0	1.50	123	5.2	467			AC
108	REF-GLASS-03	11/16/2009	0	0	1	208	0.0	0.0	0.50	104	1.7	397			AC
109	REF-GLASS-04	11/16/2009	0	0	0	227	0.0	0.0	0.00	114	0.0	433			AC
110	REF-GLASS-05	11/16/2009	0	0	3	177	0.0	0.0	1.50	89	5.2	338			AC
111	REF-WOOD-01	11/16/2009	0	0	1	178	0.0	0.0	0.50	89	1.7	340			AC
112	REF-WOOD-02	11/16/2009	0	0	2	198	0.0	0.0	1.00	99	3.5	378			AC
113	REF-WOOD-03	11/16/2009	0	0	2	215	0.0	0.0	1.00	108	3.5	410			AC
114	REF-WOOD-04	11/16/2009	0	0	2	216	0.0	0.0	1.00	108	3.5	412			AC
115	REF-WOOD-05	11/16/2009	0	0	1	209	0.0	0.0	0.50	105	1.7	399			AC
116	REF-CERAMIC-01	11/16/2009	0	0	7	460	0.0	0.0	3.50	230	12.2	878			AC
117	REF-CERAMIC-02	11/16/2009	0	0	10	432	0.0	0.0	5.00	216	17.5	824			AC
118	REF-CERAMIC-03	11/16/2009	0	0	5	401	0.0	0.0	2.50	201	8.7	765			AC
119	REF-CERAMIC-04	11/16/2009	0	0	3	404	0.0	0.0	1.50	202	5.2	771			AC
120	REF-CERAMIC-05	11/16/2009	0	0	5	444	0.0	0.0	2.50	222	8.7	847			AC
121	REF-EPOXY-01	11/16/2009	0	0	1	150	0.0	0.0	0.50	75	1.7	286			AC
122	REF-EPOXY-02	11/16/2009	0	0	1	173	0.0	0.0	0.50	87	1.7	330			AC
123	REF-EPOXY-03	11/16/2009	0	0	1	150	0.0	0.0	0.50	75	1.7	286			AC
124	REF-EPOXY-04	11/16/2009	0	0	2	147	0.0	0.0	1.00	74	3.5	280			AC
125	REF-EPOXY-05	11/16/2009	0	0	1	180	0.0	0.0	0.50	90	1.7	343			AC
126	REF-CINDER-01	11/16/2009	0	0	3	205	0.0	0.0	1.50	103	5.2	391			AC
127	REF-CINDER-02	11/16/2009	0	0	3	218	0.0	0.0	1.50	109	5.2	416			AC
128	REF-CINDER-03	11/16/2009	0	0	3	209	0.0	0.0	1.50	105	5.2	399			AC
129	REF-CINDER-04	11/16/2009	0	0	2	204	0.0	0.0	1.00	102	3.5	389			AC
130	REF-CINDER-05	11/16/2009	0	0	2	228	0.0	0.0	1.00	114	3.5	435			AC
131	REF-STEEL-01	11/16/2009	0	0	2	129	0.0	0.0	1.00	65	3.5	246			AC
132	REF-STEEL-02	11/16/2009	0	0	2	130	0.0	0.0	1.00	65	3.5	248			AC
133	REF-STEEL-03	11/16/2009	0	0	3	125	0.0	0.0	1.50	63	5.2	238			AC
134	REF-STEEL-04	11/16/2009	0	0	1	136	0.0	0.0	0.50	68	1.7	259			AC
135	REF-STEEL-05	11/16/2009	0	0	4	119	0.0	0.0	2.00	60	7.0	227			AC
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CABRERA STATIC COUNTING WORKSHEET (Rev 6)

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CABRERA STATIC COUNTING WORKSHEET (Rev 6)

Detector Active Area (cm^2)	α eff	β eff	Static Count Time (min)	Daily Background Count Time (min)	dpm/100 cm^2 α Flag	dpm/100 cm^2 β Flag
126	0.2150	0.2170	2.0	2.0	101	7050

* Morning Daily Count

seq. #	Sample ID# and Description	Date	Background Total Counts* α	Background Total Counts* β	Sample Total Counts α	Sample Total Counts β	Background (cpm) α	Background (cpm) β	Sample Counts (cpm) α	Sample Counts (cpm) β	Sample (dpm/100 cm^2) α	Sample (dpm/100 cm^2) β	> α flag	> β flag	Tech. Initial
1	SU01-01	11/17/2009	1	238	5	354	0.5	119.0	2.50	177	7.4	212			MB/AW
2	SU01-02	11/17/2009	1	238	1	229	0.5	119.0	0.50	115	0.0	-16			MB/AW
3	SU01-03	11/17/2009	1	238	5	230	0.5	119.0	2.50	115	7.4	-15			MB/AW
4	SU01-04	11/17/2009	1	238	2	203	0.5	119.0	1.00	102	1.8	-64			MB/AW
5	SU01-05	11/17/2009	1	238	0	256	0.5	119.0	0.00	128	-1.8	33			MB/AW
6	SU01-06	11/17/2009	1	238	4	391	0.5	119.0	2.00	196	5.5	280			MB/AW
7	SU01-07	11/17/2009	1	238	2	280	0.5	119.0	1.00	140	1.8	77			MB/AW
8	SU01-08	11/17/2009	1	238	2	253	0.5	119.0	1.00	127	1.8	27			MB/AW
9	SU01-09	11/17/2009	1	238	0	236	0.5	119.0	0.00	118	-1.8	-4			MB/AW
10	SU01-10	11/17/2009	1	238	1	280	0.5	119.0	0.50	140	0.0	77			MB/AW
11	SU01-11	11/17/2009	1	238	2	285	0.5	119.0	1.00	143	1.8	86			MB/AW
12	SU01-12	11/17/2009	1	238	1	362	0.5	119.0	0.50	181	0.0	227			MB/AW
13	SU01-13	11/17/2009	1	238	0	229	0.5	119.0	0.00	115	-1.8	-16			MB/AW
14	SU01-14	11/17/2009	1	238	1	473	0.5	119.0	0.50	237	0.0	430			MB/AW
15	SU01-15	11/17/2009	1	238	2	295	0.5	119.0	1.00	148	1.8	104			MB/AW
16	SU01-16	11/17/2009	1	238	2	237	0.5	119.0	1.00	119	1.8	-2			MB/AW
17	SU01-17	11/17/2009	1	238	2	273	0.5	119.0	1.00	137	1.8	64			MB/AW
18	SU01-18	11/17/2009	1	238	1	219	0.5	119.0	0.50	110	0.0	-35			MB/AW
19	SU01-19	11/17/2009	1	238	3	262	0.5	119.0	1.50	131	3.7	44			MB/AW
20	SU01-20	11/17/2009	1	238	3	288	0.5	119.0	1.50	144	3.7	91			MB/AW
21	SU01-21	11/17/2009	1	238	2	275	0.5	119.0	1.00	138	1.8	68			MB/AW
22	SU01-22	11/17/2009	1	238	2	238	0.5	119.0	1.00	119	1.8	0			MB/AW
23	SU01-23	11/17/2009	1	238	2	313	0.5	119.0	1.00	157	1.8	137			MB/AW
24	SU01-24	11/17/2009	1	238	2	320	0.5	119.0	1.00	160	1.8	150			MB/AW
25	SU01-25	11/17/2009	1	238	1	252	0.5	119.0	0.50	126	0.0	26			MB/AW
26	SU01-26	11/17/2009	1	238	1	242	0.5	119.0	0.50	121	0.0	7			MB/AW
27	SU01-27	11/17/2009	1	238	1	254	0.5	119.0	0.50	127	0.0	29			MB/AW
28	SU01-28	11/17/2009	1	238	1	280	0.5	119.0	0.50	140	0.0	77			MB/AW
29	SU01-29	11/17/2009	1	238	3	245	0.5	119.0	1.50	123	3.7	13			MB/AW
30	SU01-30	11/17/2009	1	238	0	290	0.5	119.0	0.00	145	-1.8	95			MB/AW
31	SU01-BS-01	11/17/2009	1	238	9	357	0.5	119.0	4.50	179	14.8	218			MB/AW
32	SU01-BS-02	11/17/2009	1	238	2	274	0.5	119.0	1.00	137	1.8	66			MB/AW
33	SU01-BS-03	11/17/2009	1	238	5	274	0.5	119.0	2.50	137	7.4	66			MB/AW
34	SU01-BS-04	11/17/2009	1	238	1	270	0.5	119.0	0.50	135	0.0	59			MB/AW
35	SU01-BS-05	11/17/2009	1	238	1	237	0.5	119.0	0.50	119	0.0	-2			MB/AW
36	SU01-BS-06	11/17/2009	1	238	1	259	0.5	119.0	0.50	130	0.0	38			MB/AW
37	SU01-BS-07	11/17/2009	1	238	1	284	0.5	119.0	0.50	142	0.0	84			MB/AW
38	SU01-BS-08	11/17/2009	1	238	1	290	0.5	119.0	0.50	145	0.0	95			MB/AW
39	SU01-BS-09	11/17/2009	1	238	2	254	0.5	119.0	1.00	127	1.8	29			MB/AW
41	SU01-BS-10	11/17/2009	1	238	2	222	0.5	119.0	1.00	111	1.8	-29			MB/AW
42	SU01-BS-11	11/17/2009	1	238	1	238	0.5	119.0	0.50	119	0.0	0			MB/AW
43	SU01-BS-12	11/17/2009	1	238	3	238	0.5	119.0	1.50	119	3.7	0			MB/AW
44	SU01-BS-13	11/17/2009	1	238	2	258	0.5	119.0	1.00	129	1.8	37			MB/AW

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45	SU01-BS-14	11/17/2009	1	238	0	237	0.5	119.0	0.00	119	-1.8	-2			MB/AW
46	SU01-BS-15	11/17/2009	1	238	0	236	0.5	119.0	0.00	118	-1.8	-4			MB/AW
47															
48	SU03-61	11/18/2009	1	233	3	222	0.5	116.5	1.50	111	3.7	-20			MB/AW
49	SU03-64	11/18/2009	1	233	0	248	0.5	116.5	0.00	124	-1.8	27			MB/AW
50	SU03-66	11/18/2009	1	233	2	511	0.5	116.5	1.00	256	1.8	508			MB/AW
51	SU03-67	11/18/2009	1	233	4	353	0.5	116.5	2.00	177	5.5	219			MB/AW
52	SU03-70	11/18/2009	1	233	12	765	0.5	116.5	6.00	383	20.3	973			MB/AW
53	SU03-72	11/18/2009	1	233	2	258	0.5	116.5	1.00	129	1.8	46			MB/AW
54	SU03-73	11/18/2009	1	233	2	261	0.5	116.5	1.00	131	1.8	51			MB/AW
55	SU03-75	11/18/2009	1	233	4	255	0.5	116.5	2.00	128	5.5	40			MB/AW
56	SU03-78	11/18/2009	1	233	1	301	0.5	116.5	0.50	151	0.0	124			MB/AW
57	SU03-81	11/18/2009	1	233	1	312	0.5	116.5	0.50	156	0.0	144			MB/AW
58	SU03-83	11/18/2009	1	233	6	292	0.5	116.5	3.00	146	9.2	108			MB/AW
59	SU03-85	11/18/2009	1	233	4	346	0.5	116.5	2.00	173	5.5	207			MB/AW
60	SU03-87	11/18/2009	1	233	1	360	0.5	116.5	0.50	180	0.0	232			MB/AW
61	SU03-88	11/18/2009	1	233	0	286	0.5	116.5	0.00	143	-1.8	97			MB/AW
62	SU03-90	11/18/2009	1	233	1	280	0.5	116.5	0.50	140	0.0	86			MB/AW
63	SU03-BS-01	11/18/2009	1	233	2	296	0.5	116.5	1.00	148	1.8	115			MB/AW
64	SU03-BS-02	11/18/2009	1	233	1	358	0.5	116.5	0.50	179	0.0	229			MB/AW
65	SU03-BS-03	11/18/2009	1	233	3	235	0.5	116.5	1.50	118	3.7	4			MB/AW
66															
67	REF-CEILING-06	11/16/2009	0	0	3	296	0.0	0.0	1.50	148	5.5	541			AW
68	REF-CEILING-07	11/16/2009	0	0	1	310	0.0	0.0	0.50	155	1.8	567			AW
69	REF-CEILING-08	11/16/2009	0	0	1	303	0.0	0.0	0.50	152	1.8	554			AW
70	REF-CEILING-09	11/16/2009	0	0	0	300	0.0	0.0	0.00	150	0.0	549			AW
71	REF-CEILING-10	11/16/2009	0	0	1	324	0.0	0.0	0.50	162	1.8	592			AW
72	REF-VINYL-06	11/16/2009	0	0	2	219	0.0	0.0	1.00	110	3.7	400			AW
73	REF-VINYL-07	11/16/2009	0	0	1	218	0.0	0.0	0.50	109	1.8	399			AW
74	REF-VINYL-08	11/16/2009	0	0	2	214	0.0	0.0	1.00	107	3.7	391			AW
75	REF-VINYL-09	11/16/2009	0	0	1	226	0.0	0.0	0.50	113	1.8	413			AW
76	REF-VINYL-10	11/16/2009	0	0	0	230	0.0	0.0	0.00	115	0.0	421			AW
77	REF-GLAZED-06	11/16/2009	0	0	7	471	0.0	0.0	3.50	236	12.9	861			AW
78	REF-GLAZED-07	11/16/2009	0	0	3	448	0.0	0.0	1.50	224	5.5	819			AW
79	REF-GLAZED-08	11/16/2009	0	0	5	478	0.0	0.0	2.50	239	9.2	874			AW
80	REF-GLAZED-09	11/16/2009	0	0	11	489	0.0	0.0	5.50	245	20.3	894			AW
81	REF-GLAZED-10	11/16/2009	0	0	6	445	0.0	0.0	3.00	223	11.1	814			AW
82	REF-CARPET-06	11/16/2009	0	0	0	214	0.0	0.0	0.00	107	0.0	391			AW
83	REF-CARPET-07	11/16/2009	0	0	1	182	0.0	0.0	0.50	91	1.8	333			AW
84	REF-CARPET-08	11/16/2009	0	0	1	189	0.0	0.0	0.50	95	1.8	346			AW
85	REF-CARPET-09	11/16/2009	0	0	1	183	0.0	0.0	0.50	92	1.8	335			AW
86	REF-CARPET-10	11/16/2009	0	0	1	168	0.0	0.0	0.50	84	1.8	307			AW
87	REF-CONCRETE-06	11/16/2009	0	0	2	248	0.0	0.0	1.00	124	3.7	454			AW
88	REF-CONCRETE-07	11/16/2009	0	0	1	276	0.0	0.0	0.50	138	1.8	505			AW
89	REF-CONCRETE-08	11/16/2009	0	0	2	251	0.0	0.0	1.00	126	3.7	459			AW
90	REF-CONCRETE-09	11/16/2009	0	0	2	239	0.0	0.0	1.00	120	3.7	437			AW
91	REF-CONCRETE-10	11/16/2009	0	0	0	211	0.0	0.0	0.00	106	0.0	386			AW
92	REF-GLASS-06	11/16/2009	0	0	1	200	0.0	0.0	0.50	100	1.8	366			AW
93	REF-GLASS-07	11/16/2009	0	0	2	215	0.0	0.0	1.00	108	3.7	393			AW
94	REF-GLASS-08	11/16/2009	0	0	1	247	0.0	0.0	0.50	124	1.8	452			AW
95	REF-GLASS-09	11/16/2009	0	0	2	239	0.0	0.0	1.00	120	3.7	437			AW
96	REF-GLASS-10	11/16/2009	0	0	1	211	0.0	0.0	0.50	106	1.8	386			AW

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97	REF-WOOD-06	11/16/2009	0	0	2	190	0.0	0.0	1.00	95	3.7	347			AW
98	REF-WOOD-07	11/16/2009	0	0	4	194	0.0	0.0	2.00	97	7.4	355			AW
99	REF-WOOD-08	11/16/2009	0	0	0	180	0.0	0.0	0.00	90	0.0	329			AW
100	REF-WOOD-09	11/16/2009	0	0	1	173	0.0	0.0	0.50	87	1.8	316			AW
101	REF-WOOD-10	11/16/2009	0	0	0	219	0.0	0.0	0.00	110	0.0	400			AW
102	REF-CERAMIC-06	11/16/2009	0	0	5	388	0.0	0.0	2.50	194	9.2	710			AW
103	REF-CERAMIC-07	11/16/2009	0	0	6	363	0.0	0.0	3.00	182	11.1	664			AW
104	REF-CERAMIC-08	11/16/2009	0	0	8	403	0.0	0.0	4.00	202	14.8	737			AW
105	REF-CERAMIC-09	11/16/2009	0	0	8	384	0.0	0.0	4.00	192	14.8	702			AW
106	REF-CERAMIC-10	11/16/2009	0	0	4	383	0.0	0.0	2.00	192	7.4	700			AW
107	REF-EPOXY-06	11/16/2009	0	0	1	124	0.0	0.0	0.50	62	1.8	227			AW
108	REF-EPOXY-07	11/16/2009	0	0	0	139	0.0	0.0	0.00	70	0.0	254			AW
109	REF-EPOXY-08	11/16/2009	0	0	1	123	0.0	0.0	0.50	62	1.8	225			AW
110	REF-EPOXY-09	11/16/2009	0	0	0	112	0.0	0.0	0.00	56	0.0	205			AW
111	REF-EPOXY-10	11/16/2009	0	0	1	121	0.0	0.0	0.50	61	1.8	221			AW
112	REF-CINDER-06	11/16/2009	0	0	1	184	0.0	0.0	0.50	92	1.8	336			AW
113	REF-CINDER-07	11/16/2009	0	0	3	174	0.0	0.0	1.50	87	5.5	318			AW
114	REF-CINDER-08	11/16/2009	0	0	3	148	0.0	0.0	1.50	74	5.5	271			AW
115	REF-CINDER-09	11/16/2009	0	0	4	198	0.0	0.0	2.00	99	7.4	362			AW
116	REF-CINDER-10	11/16/2009	0	0	1	178	0.0	0.0	0.50	89	1.8	326			AW
117	REF-STEEL-06	11/16/2009	0	0	0	110	0.0	0.0	0.00	55	0.0	201			AW
118	REF-STEEL-07	11/16/2009	0	0	3	129	0.0	0.0	1.50	65	5.5	236			AW
119	REF-STEEL-08	11/16/2009	0	0	1	110	0.0	0.0	0.50	55	1.8	201			AW
120	REF-STEEL-09	11/16/2009	0	0	3	111	0.0	0.0	1.50	56	5.5	203			AW
121	REF-STEEL-10	11/16/2009	0	0	2	113	0.0	0.0	1.00	57	3.7	207			AW
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