

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5724 - L2 Version 3
Chandra X-Ray Center

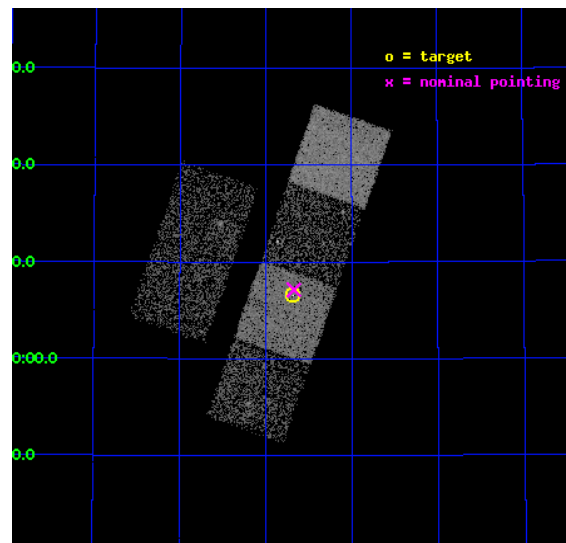
L2 Processing Date : Dec 15 2012

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1 Front

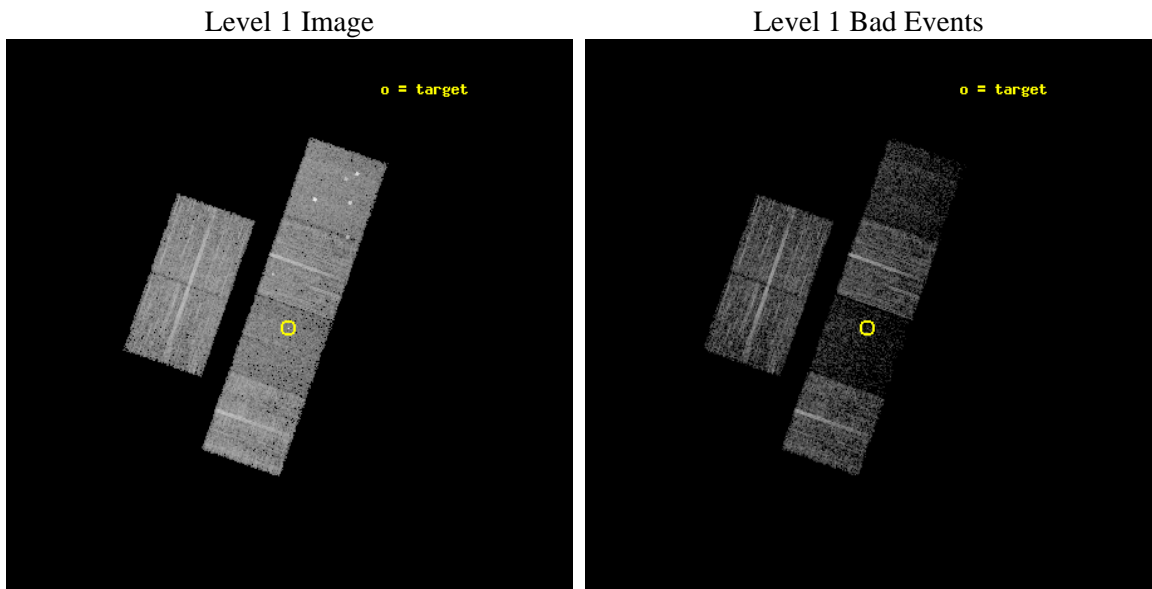
seq_num	701146	Sequence number
obs_id	5724	Observation id
title	What kind of Jets does Nature make? X-ray characterization of the FIRST Flat Spectrum Sample	Proposal title
observer	Dr. Giovanni Fossati	Principal investigator
object	S4 0929+533	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	143.17125	Observer's specified target RA [deg]
dec_targ	53.109361	Observer's specified target Dec [deg]
ra_nom	143.16857205743	Nominal RA [deg]
dec_nom	53.118882966341	Nominal Dec [deg]
roll_nom	109.30712389097	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5957.2761820853	Sum of GTIs [s]
livetime	5881.8415640266	Livetime [s]
ontime2	5957.3172220886	Sum of GTIs [s]
ontime3	5957.1530620754	Sum of GTIs [s]
ontime5	5957.235142082	Sum of GTIs [s]
ontime6	5957.1941020787	Sum of GTIs [s]
ontime7	5957.2761820853	Sum of GTIs [s]
ontime8	5957.1120221019	Sum of GTIs [s]
l2events	36194	Number of level 2 events



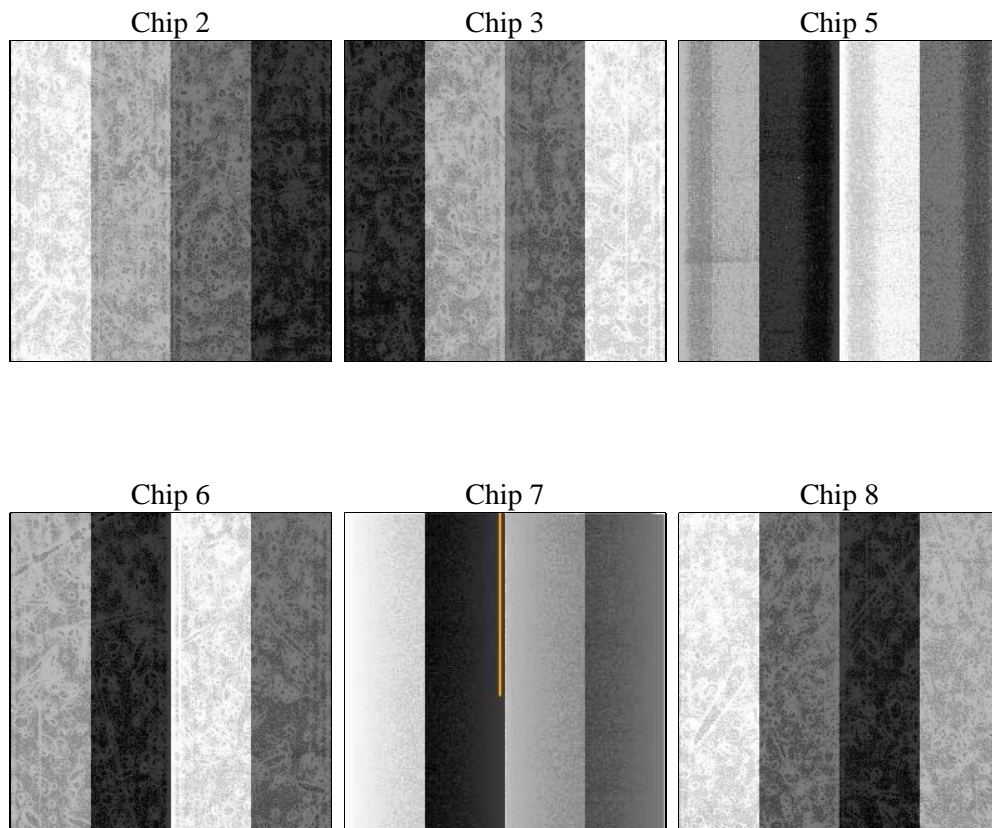
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5957.2761820853	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	5957.3172220886	Sum of GTIs [s]
date	2012-12-15T04:35:30	Date and time of file creation	ontime3	5957.1530620754	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5957.235142082	Sum of GTIs [s]
			ontime6	5957.1941020787	Sum of GTIs [s]
			ontime7	5957.2761820853	Sum of GTIs [s]
			ontime8	5957.1120221019	Sum of GTIs [s]
			l1events	190545	Number of level 1 events

2.1.4 Events

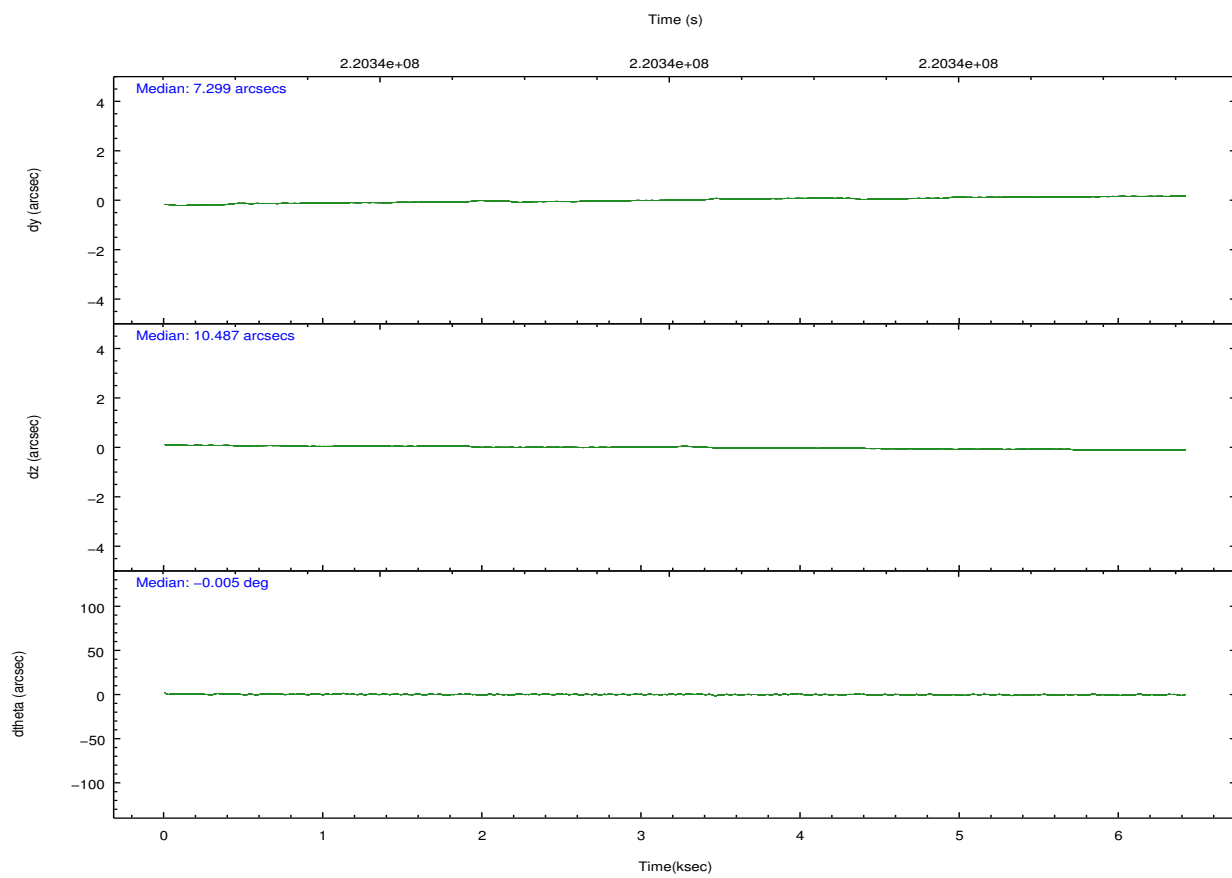
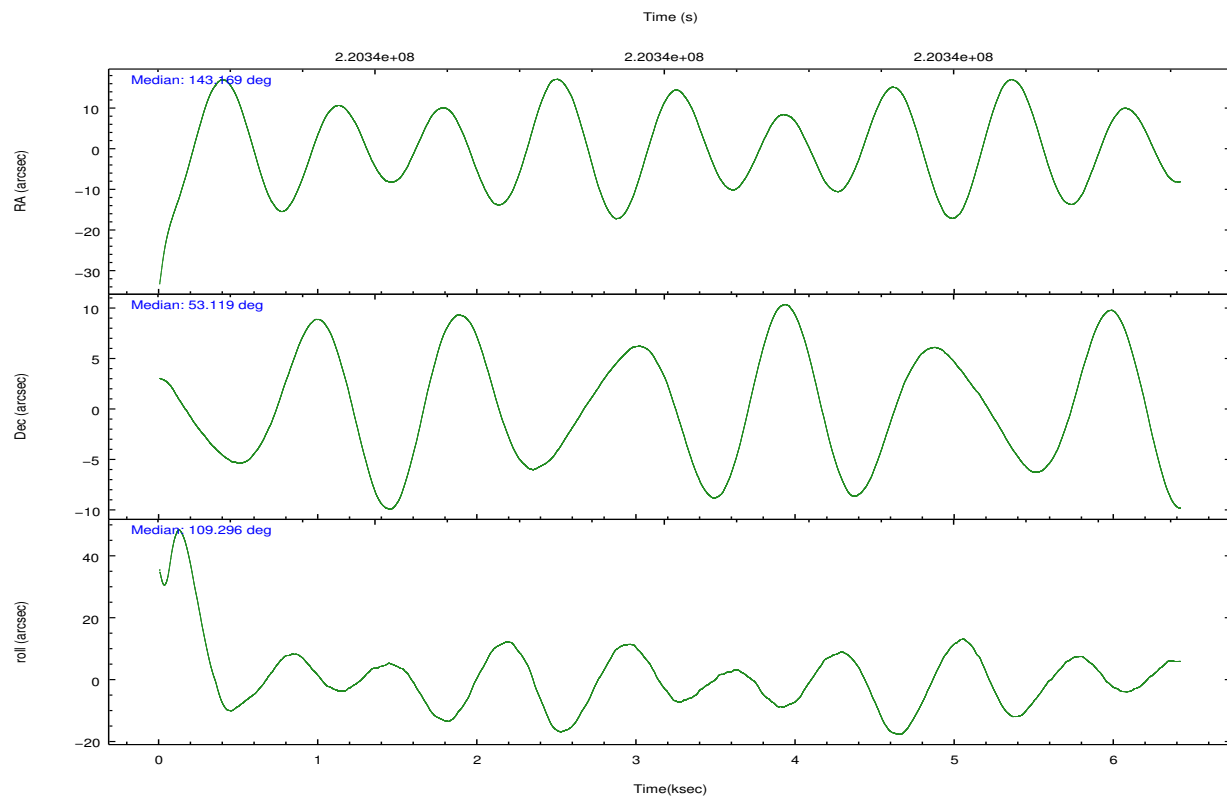
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36401	32918	31016	32584	19117	38509
rejected events	33537	30374	11382	29446	7831	29185
rejected %	92%	92%	36%	90%	40%	75%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1161	1040	4569	1364	1513	2932
	3%	3%	14%	4%	7%	7%
grade 1 events	16	14	41	21	36	24
	0%	0%	0%	0%	0%	0%
grade 2 events	713	554	5576	635	2764	2048
	1%	1%	17%	1%	14%	5%
grade 3 events	290	278	1005	343	1185	1117
	0%	0%	3%	1%	6%	2%
grade 4 events	307	279	940	323	1213	991
	0%	0%	3%	0%	6%	2%
grade 5 events	601	607	2403	658	1961	1098
	1%	1%	7%	2%	10%	2%
grade 6 events	395	395	7565	476	4624	2250
	1%	1%	24%	1%	24%	5%
grade 7 events	32918	29751	8917	28764	5821	28049
	90%	90%	28%	88%	30%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	143.203468	143.1685720574285	Subarray requested	NONE	NONE
[deg] Pointing Dec	53.101427	53.1188296634105	Alternating exposures requested	N	N
[deg] Pointing Roll	109.122640	109.3071238909685	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	220337256.184000	220336176.39798			
Observation start date	2004-12-25T04:46:32	2004-12-25T04:29:36			
[s] Observation end time (MET)	220343256.184000	220343611.23582			
Observation end date	2004-12-25T06:26:32	2004-12-25T06:33:31			
Read mode	TIMED	TIMED			

2.3 Aspect

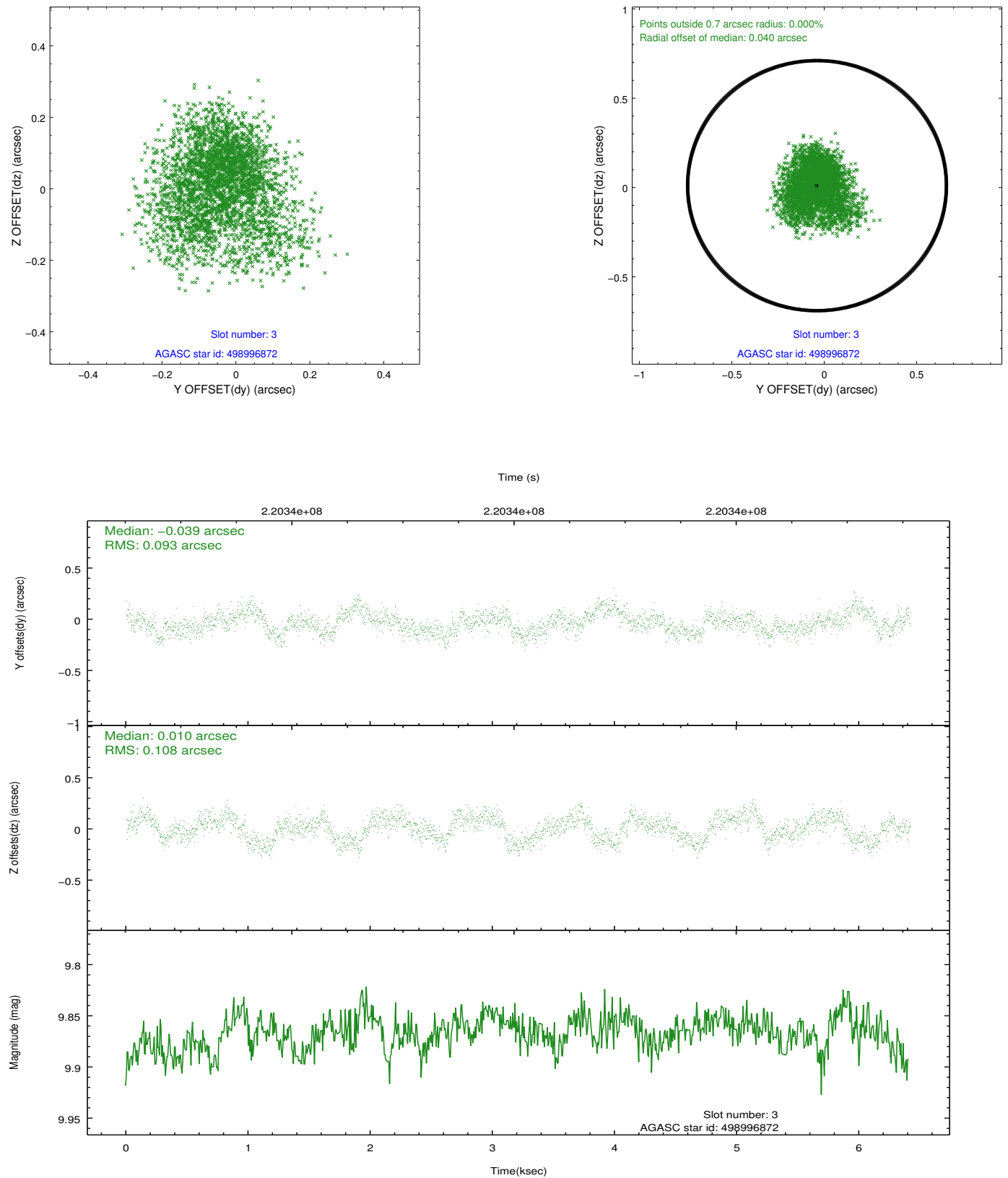


Slot Statistics

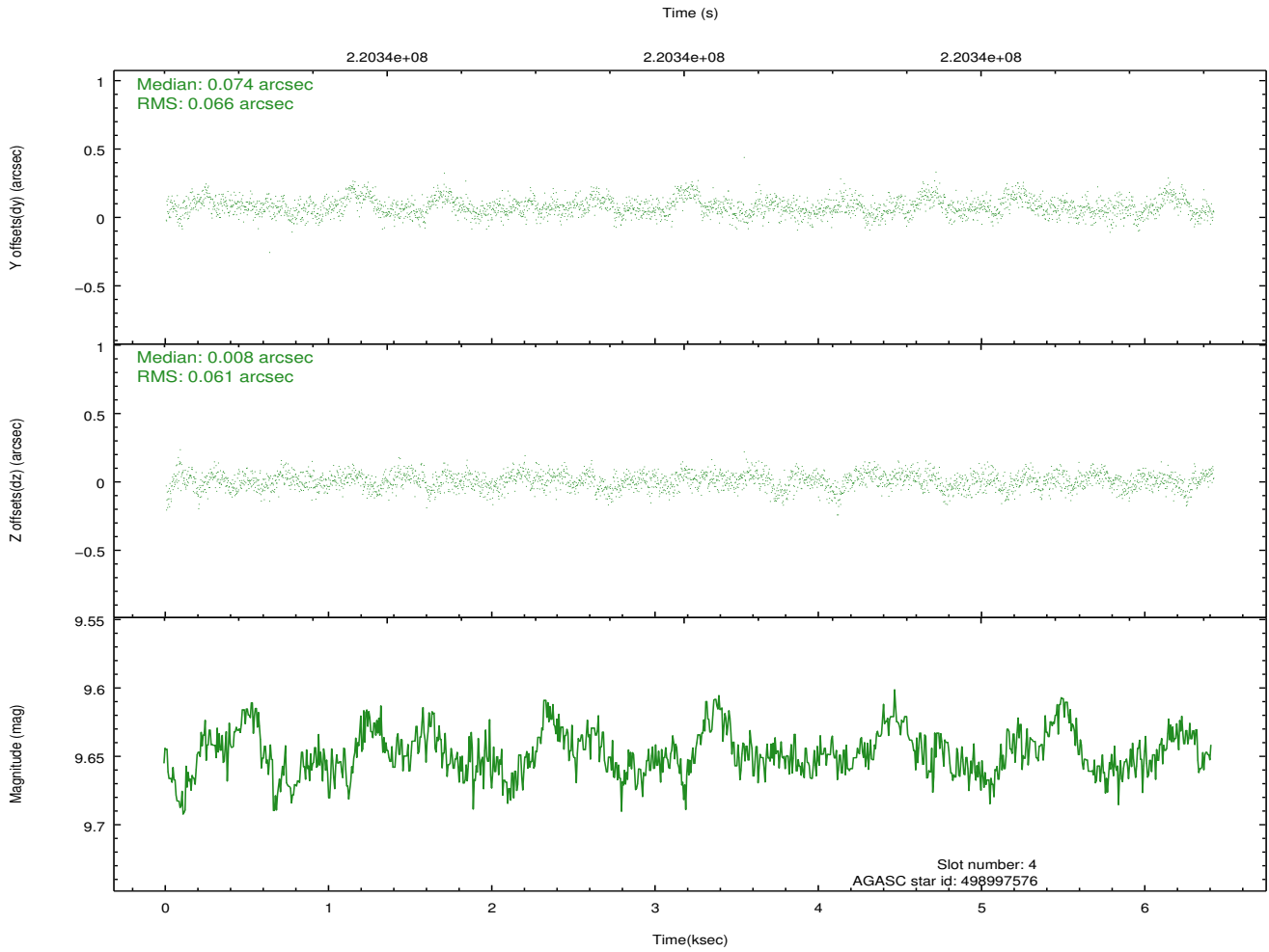
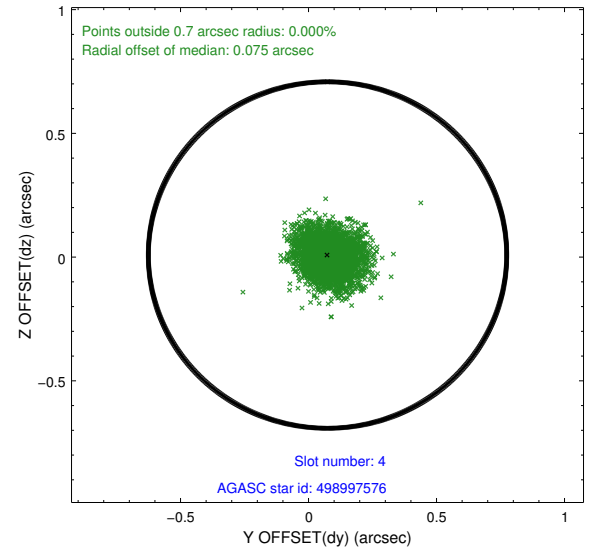
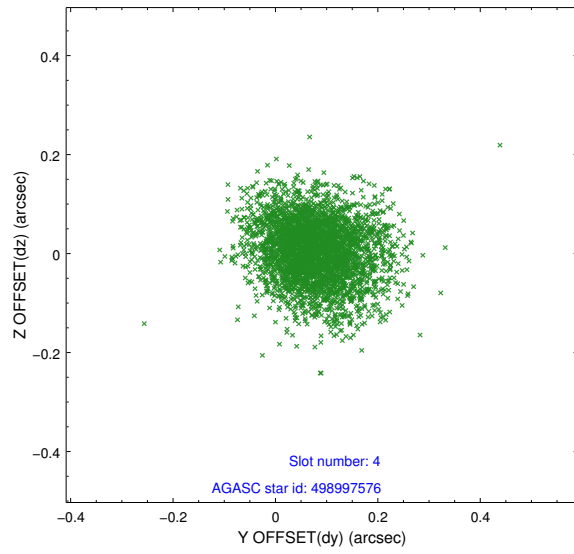
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1565	-0.053	-0.020	0.007	0.011	0.000000	0.000000	-760.07	-1731.77
1	FID	ACIS-S-4	7.21	1565	0.098	0.031	0.006	0.012	0.000000	0.000000	2152.90	175.88
2	FID	ACIS-S-5	7.23	1564	-0.076	-0.003	0.008	0.014	0.000000	0.000000	-1811.81	170.47
3	GUIDE	498996872	9.87	3125	-0.039	0.010	0.153	0.243	143.336185	52.754751	-1273.68	135.51
4	GUIDE	498997576	9.65	3129	0.074	0.008	0.094	0.156	143.133327	52.582652	-1714.64	756.69
5	GUIDE	498999296	9.32	3129	0.076	-0.000	0.107	0.164	142.650492	52.789973	-661.30	1503.75
6	GUIDE	499000752	10.10	3129	-0.156	0.194	0.132	0.212	143.911753	53.783814	1834.72	-2229.28
7	GUIDE	499000840	9.50	3124	0.044	-0.202	0.096	0.156	142.512408	52.584730	-1255.19	2034.21

2.4 Star Slots

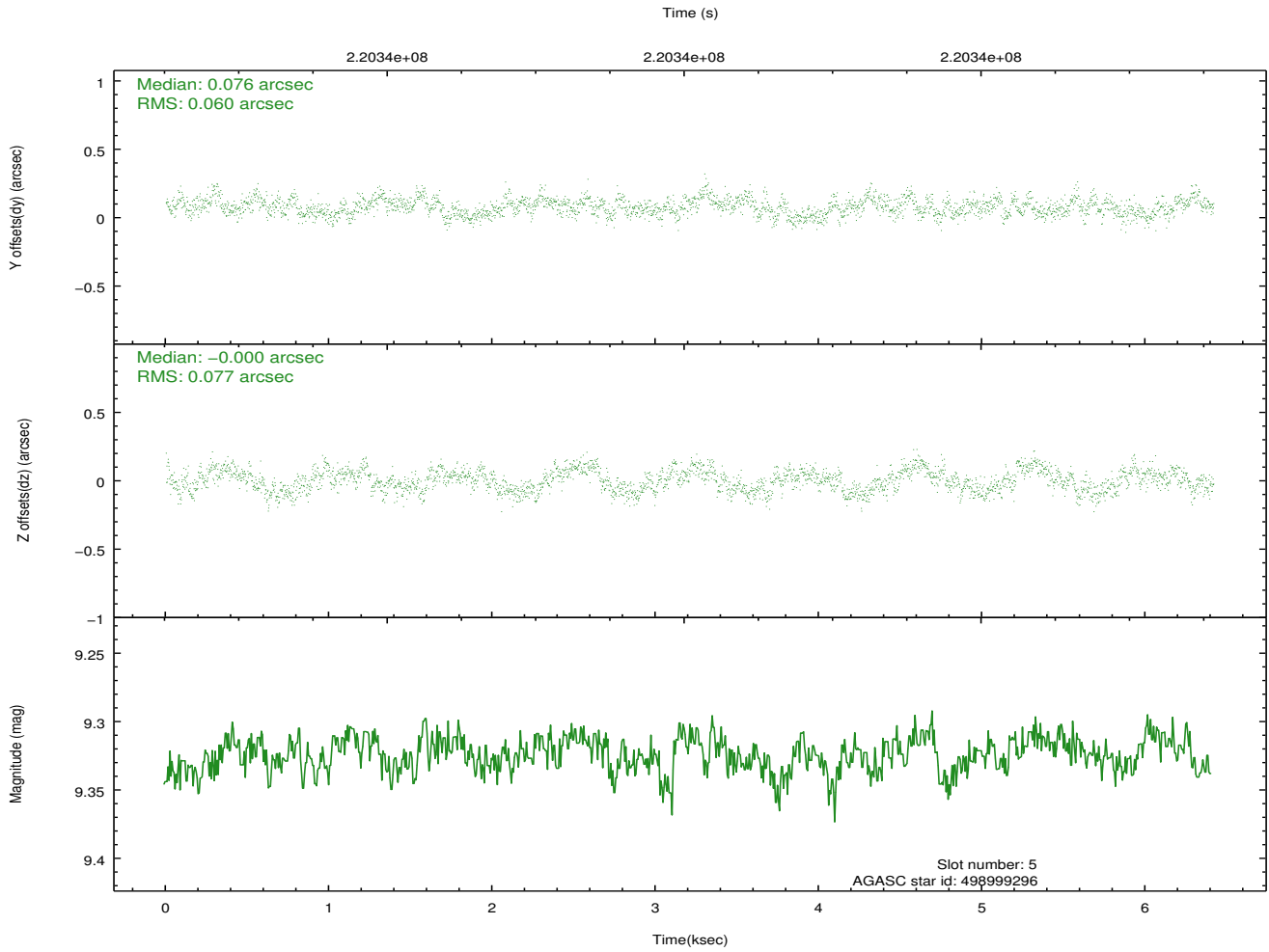
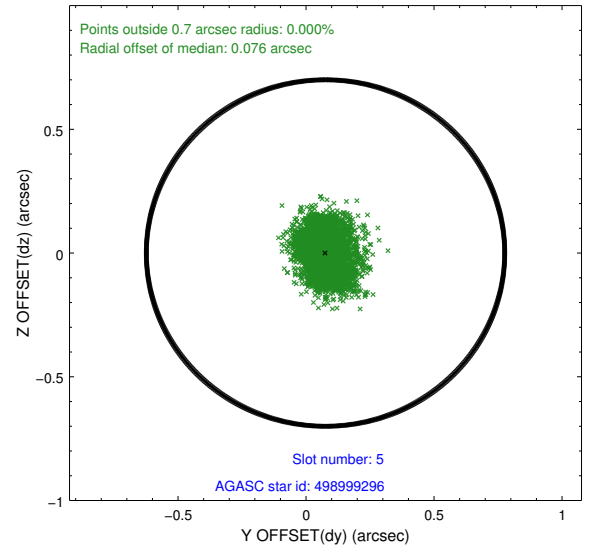
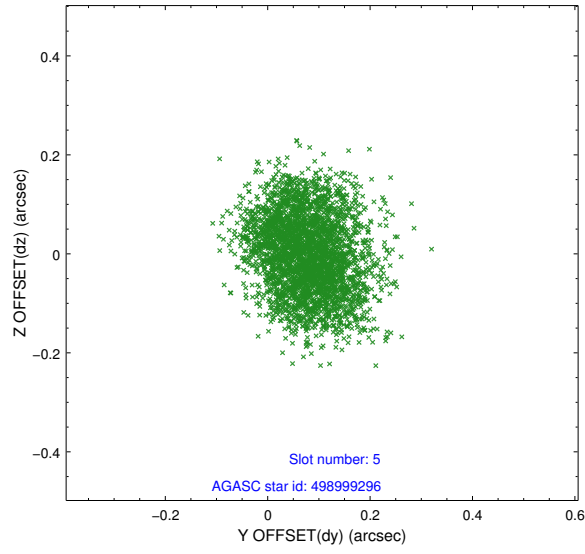
2.4.1 Slot 3



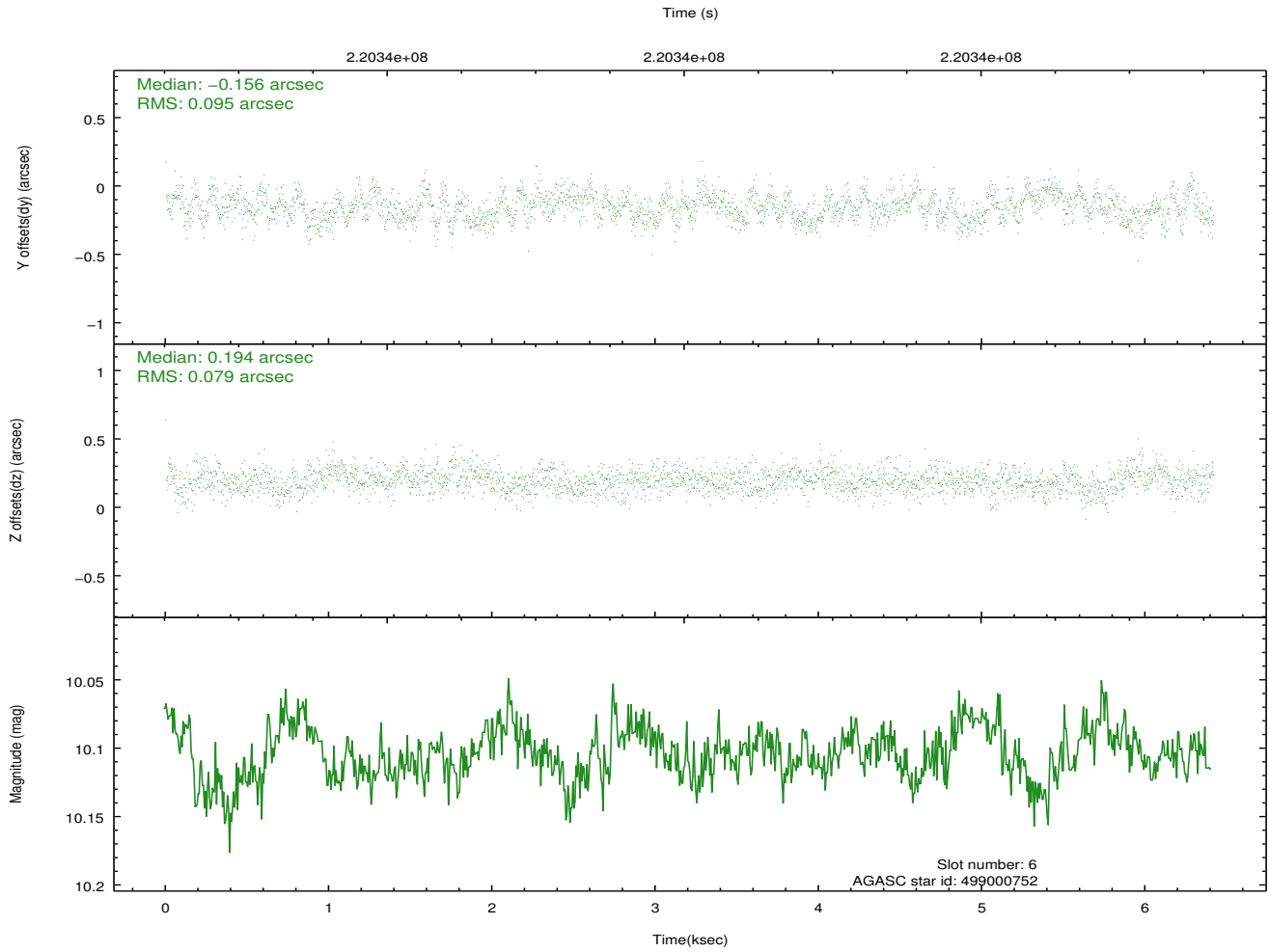
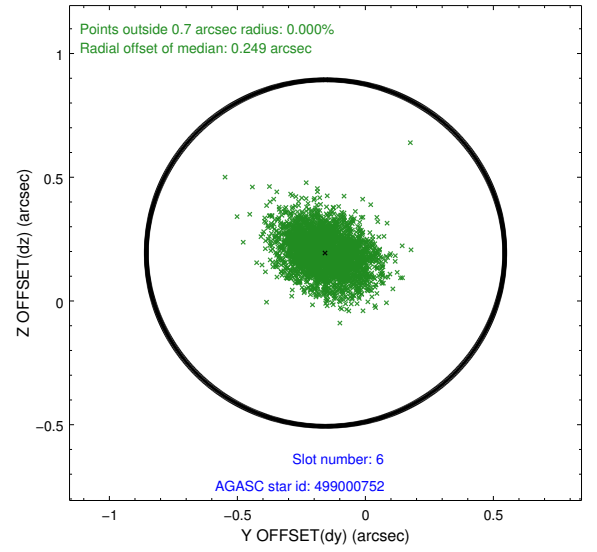
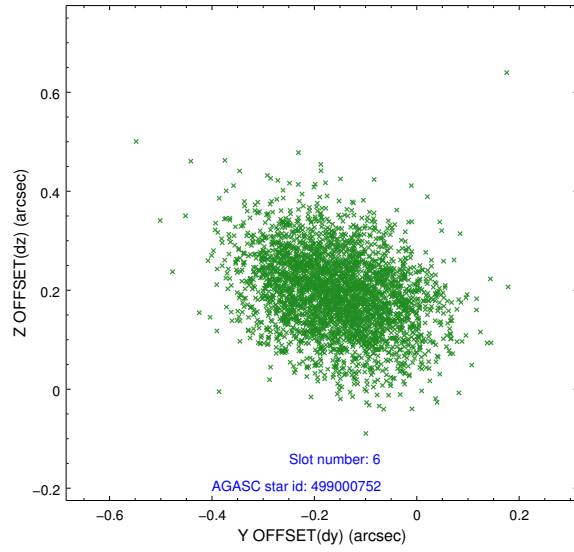
2.4.2 Slot 4



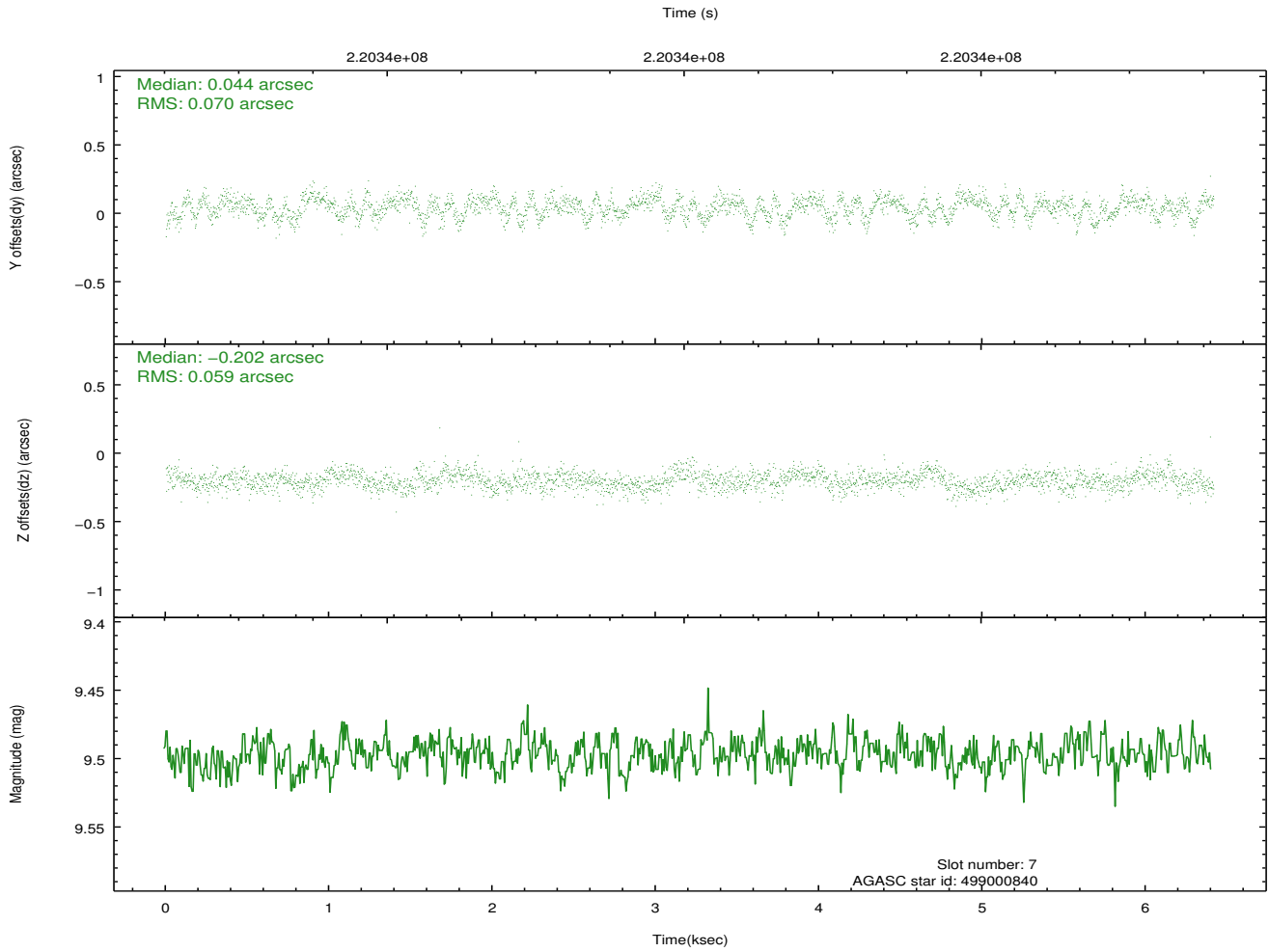
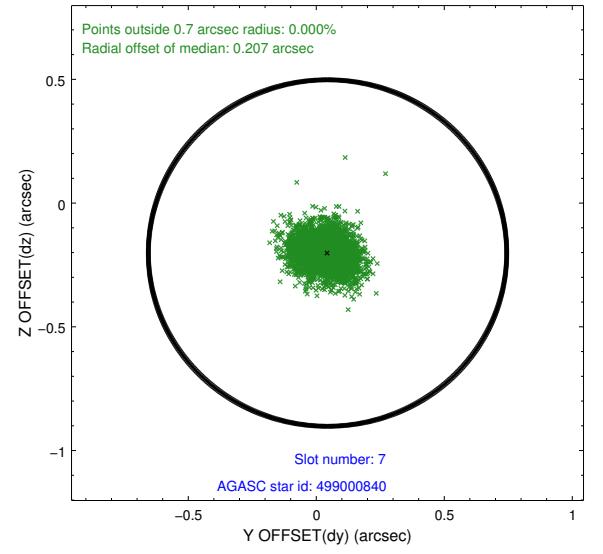
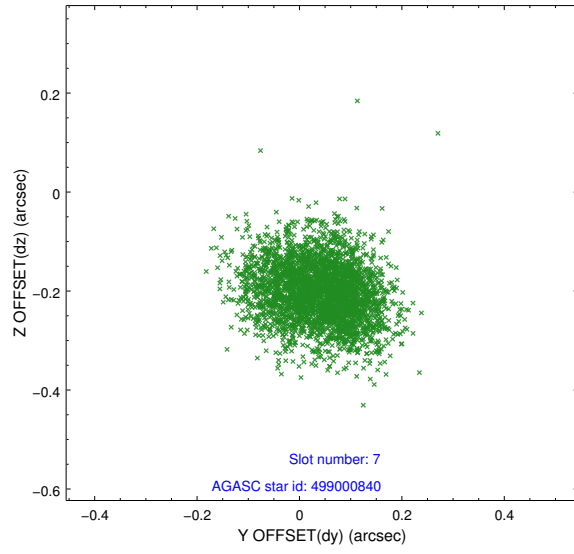
2.4.3 Slot 5



2.4.4 Slot 6

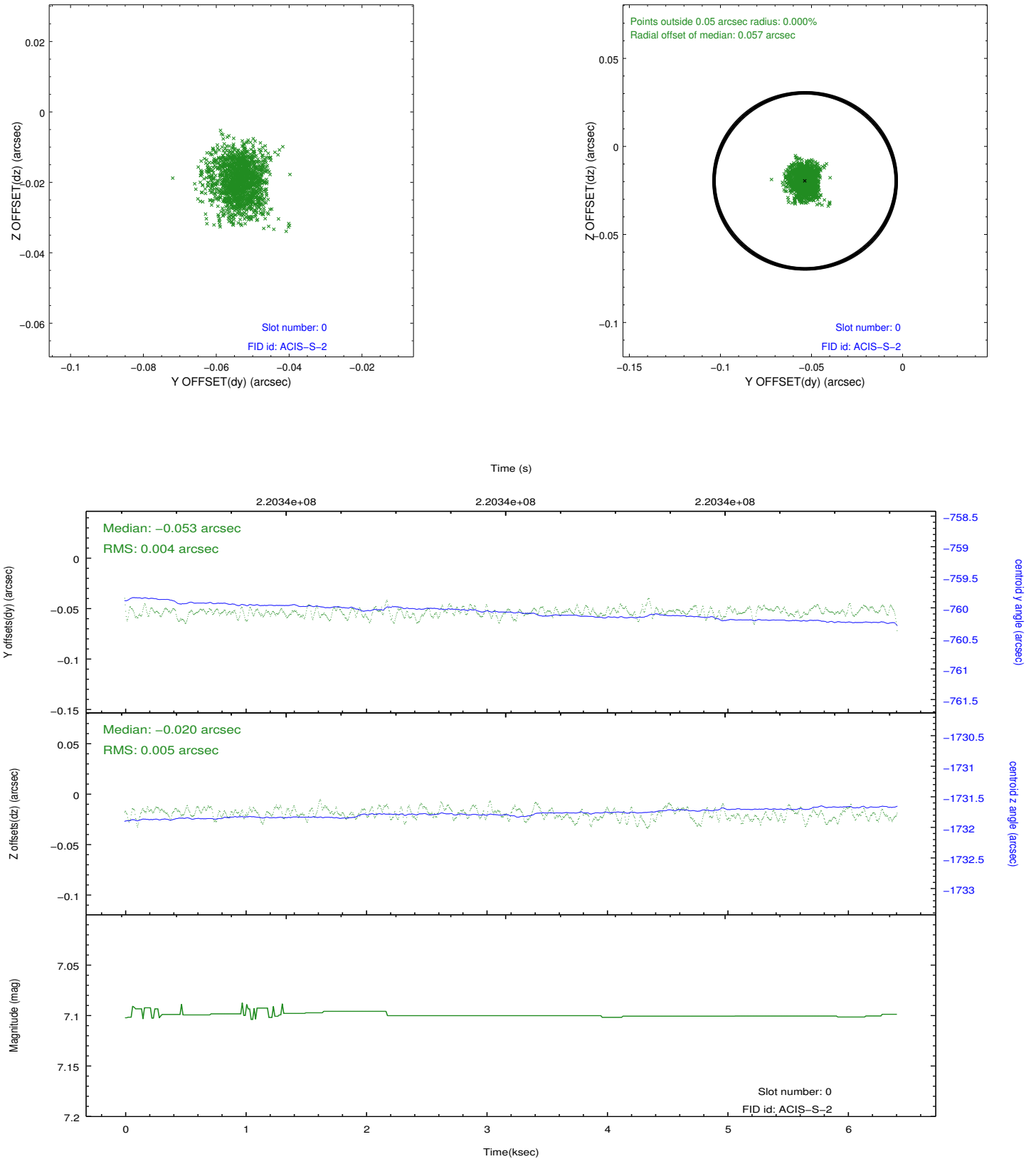


2.4.5 Slot 7

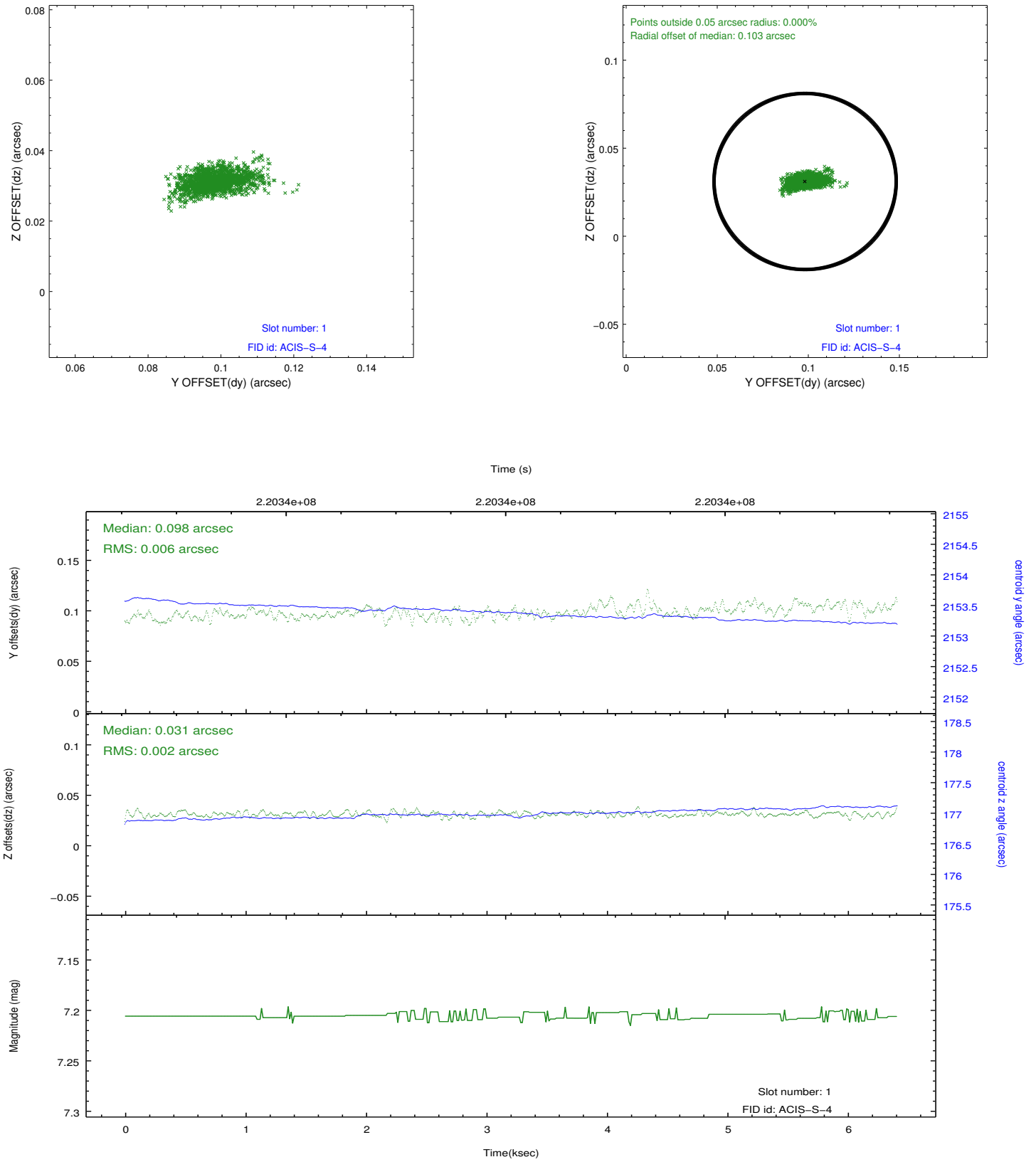


2.5 FID Slots

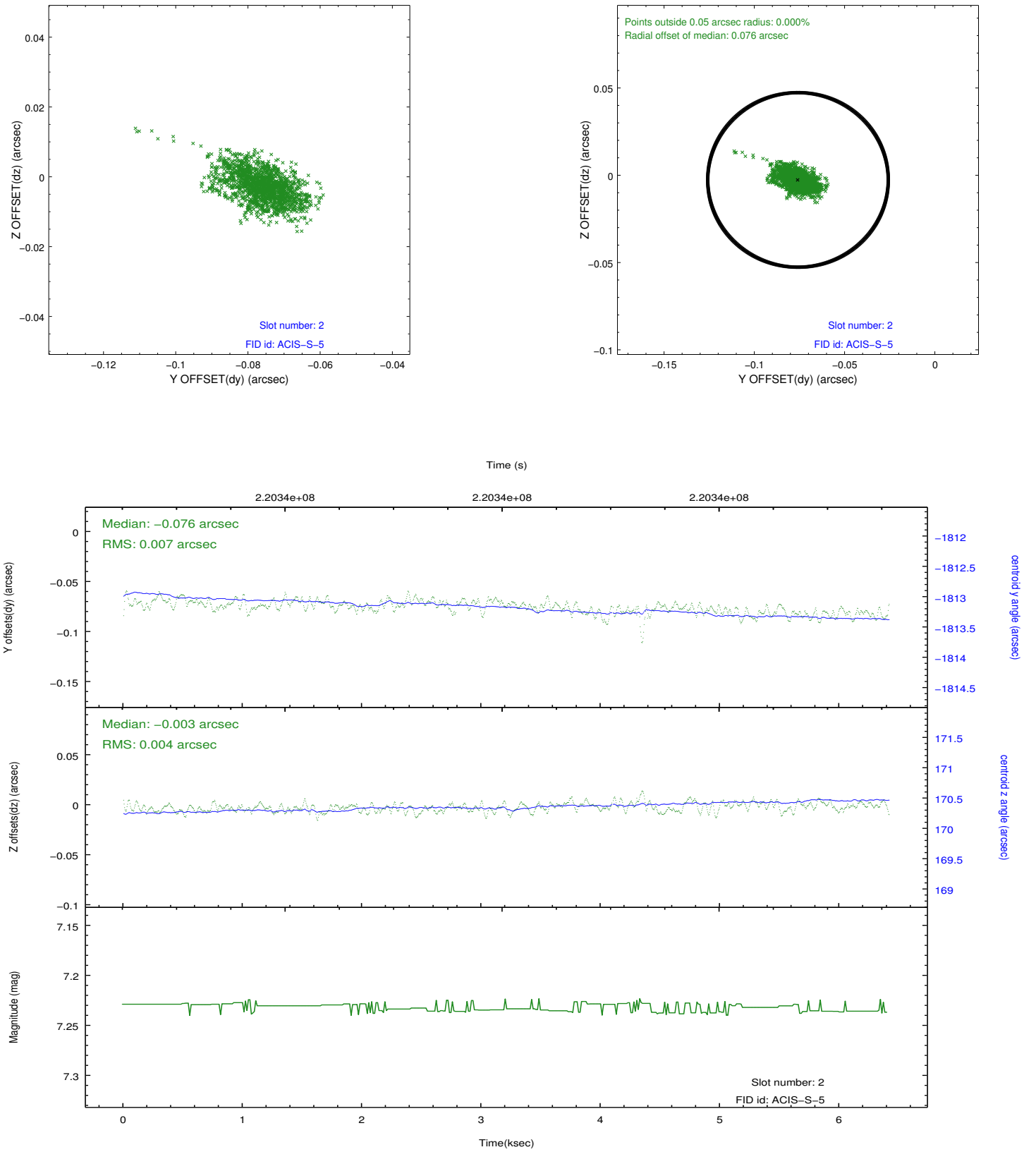
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.958399

A.2 Comments