

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6327 - L2 Version 3
Chandra X-Ray Center

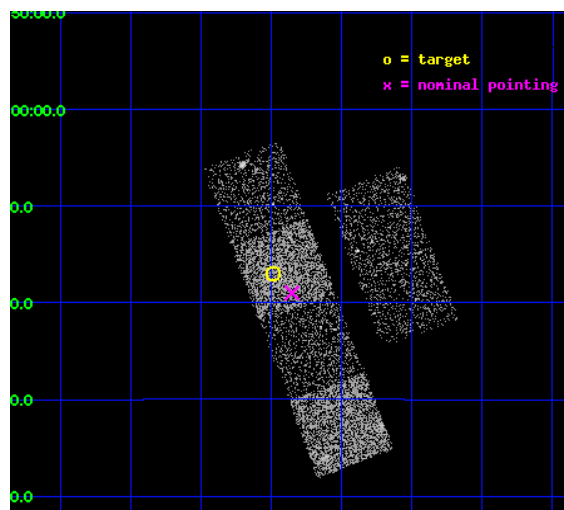
L2 Processing Date : Dec 25 2012

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1 Front

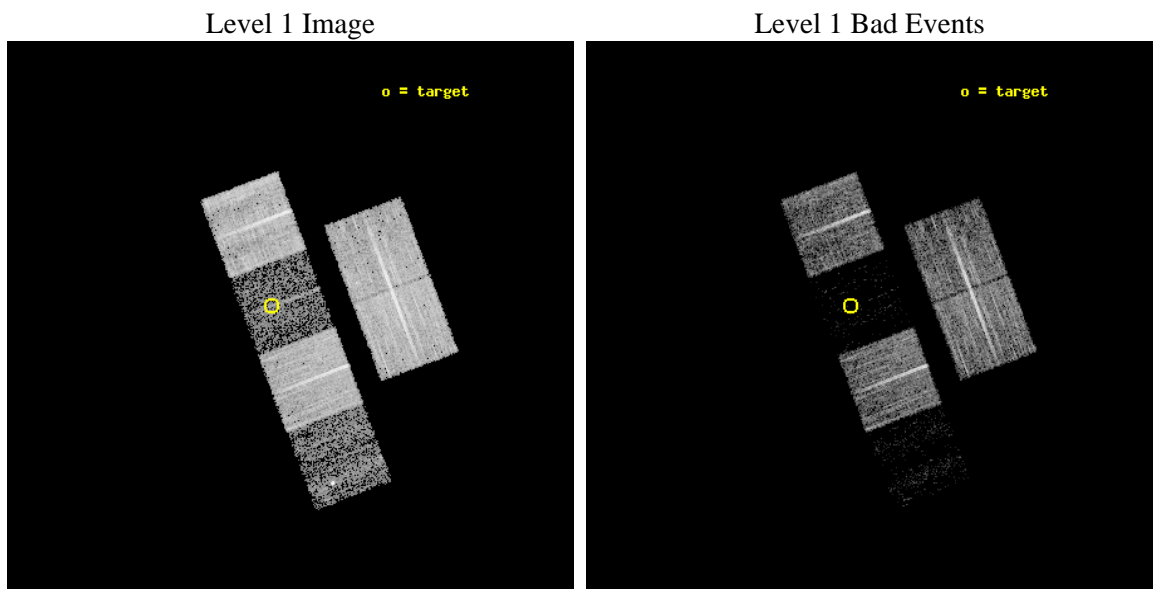
seq_num	100061	Sequence number
obs_id	6327	Observation id
title	Comet 9P/Tempel 1 During the Deep Impact Encounter	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	9P/Tempel 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.496187	Observer's specified target RA [deg]
dec_targ	-11.282931	Observer's specified target Dec [deg]
ra_nom	206.46326754158	Nominal RA [deg]
dec_nom	-11.316500053643	Nominal Dec [deg]
roll_nom	249.39210084862	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8435.1999685764	Sum of GTIs [s]
livetime	8328.3883875067	Livetime [s]
ontime2	8431.9589783847	Sum of GTIs [s]
ontime3	8435.1999685764	Sum of GTIs [s]
ontime5	8435.1999685764	Sum of GTIs [s]
ontime6	8435.1999685764	Sum of GTIs [s]
ontime7	8435.1999685764	Sum of GTIs [s]
ontime8	8431.9589784145	Sum of GTIs [s]
l2events	12605	Number of level 2 events



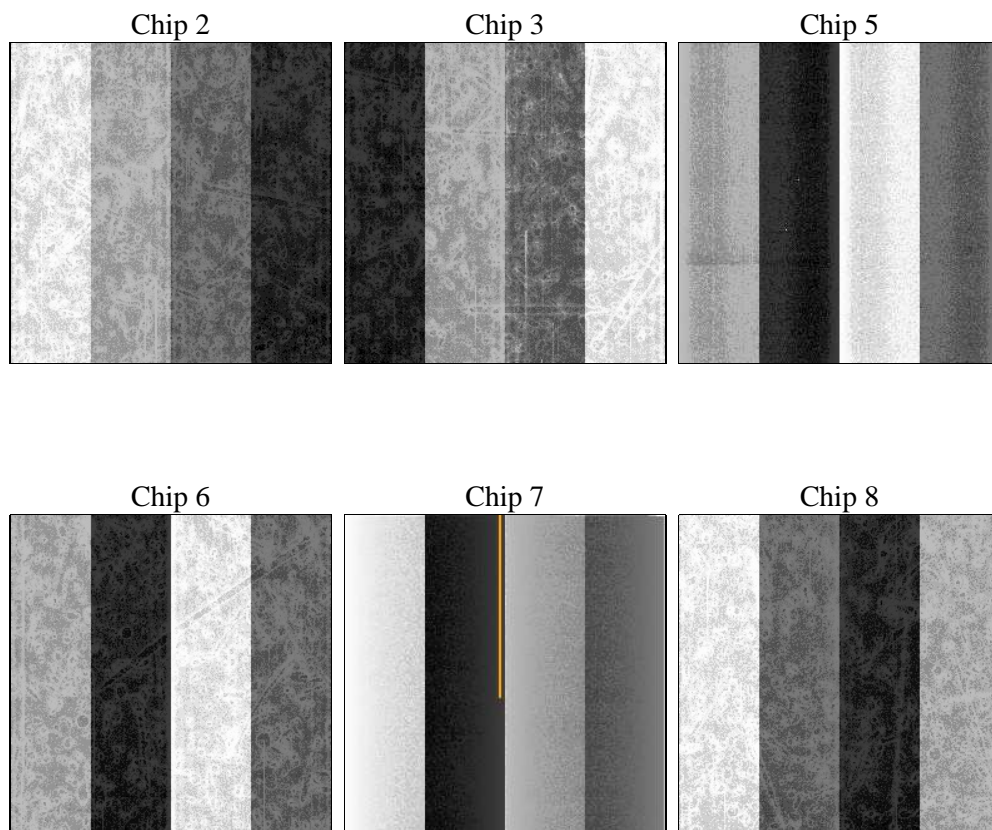
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8250.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8435.1999685764	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	8431.9589783847	Sum of GTIs [s]
date	2012-12-25T23:56:15	Date and time of file creation	ontime3	8435.1999685764	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8435.1999685764	Sum of GTIs [s]
			ontime6	8435.1999685764	Sum of GTIs [s]
			ontime7	8435.1999685764	Sum of GTIs [s]
			ontime8	8431.9589784145	Sum of GTIs [s]
			l1events	181917	Number of level 1 events

2.1.4 Events

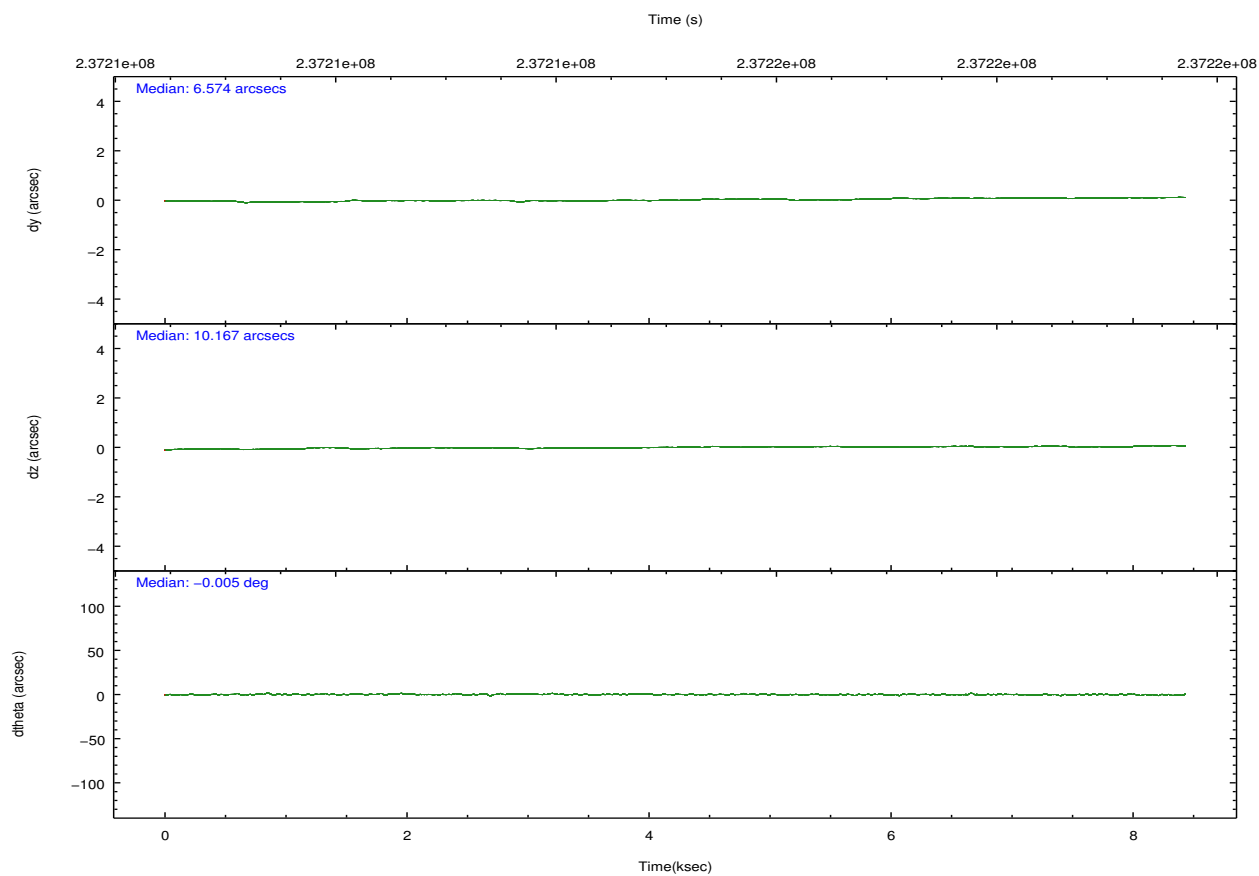
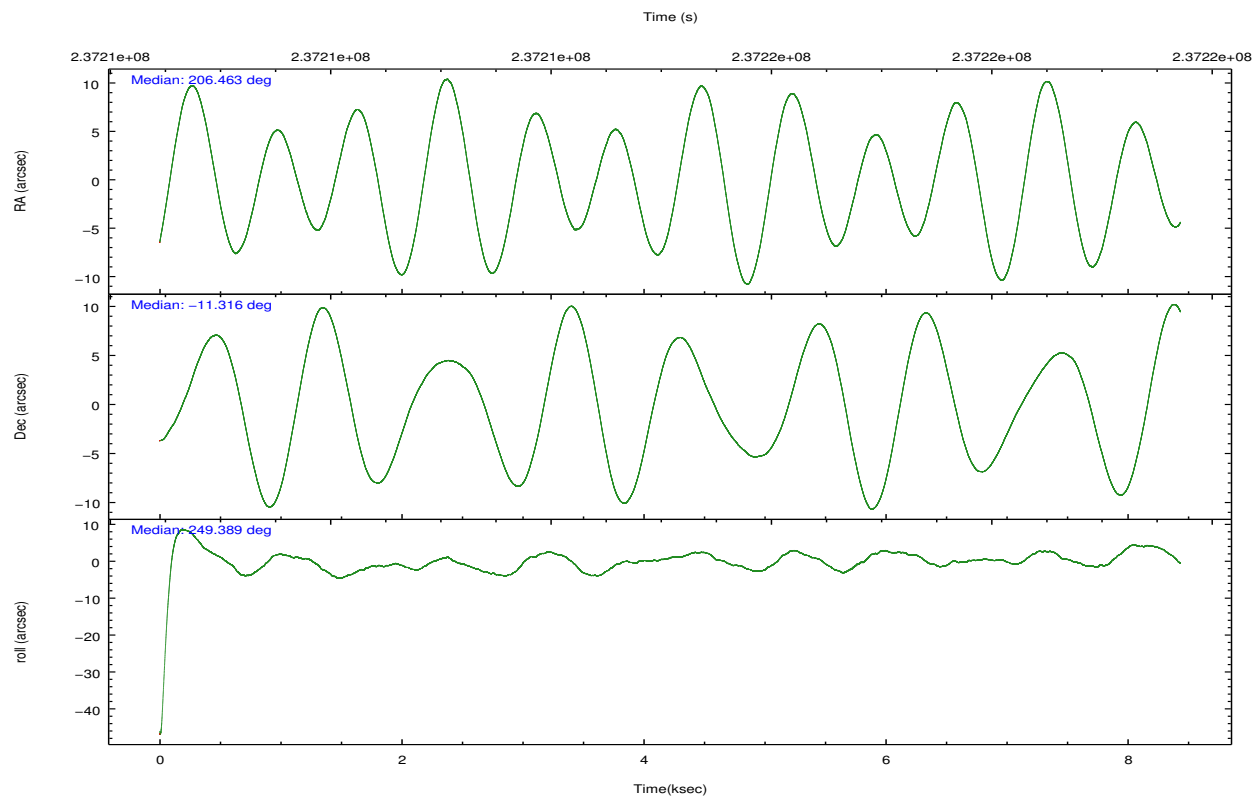
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46973	37321	7199	39364	5697	45363
rejected events	45108	35922	2242	37705	1173	34055
rejected %	96%	96%	31%	95%	20%	75%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	835	759	1758	817	1455	3546
	1%	2%	24%	2%	25%	7%
grade 1 events	9	10	46	20	28	34
	0%	0%	0%	0%	0%	0%
grade 2 events	437	149	1689	325	1405	2607
	0%	0%	23%	0%	24%	5%
grade 3 events	240	218	638	250	679	1390
	0%	0%	8%	0%	11%	3%
grade 4 events	235	225	568	224	631	1192
	0%	0%	7%	0%	11%	2%
grade 5 events	55	34	362	25	188	234
	0%	0%	5%	0%	3%	0%
grade 6 events	198	107	504	112	517	2950
	0%	0%	7%	0%	9%	6%
grade 7 events	44964	35819	1634	37591	794	33410
	95%	95%	22%	95%	13%	73%

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	206.458335	206.4632675415795	Subarray requested	NONE	NONE
[deg] Pointing Dec	-11.289717	-11.31650005364294	Alternating exposures requested	N	N
[deg] Pointing Roll	249.234585	249.3921008486166	[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)	237211047.184000	237210671.70157			
Observation start date	2005-07-08T11:56:23	2005-07-08T11:51:11			
[s] Observation end time (MET)	237219297.184000	237219431.86447			
Observation end date	2005-07-08T14:13:53	2005-07-08T14:17:11			
Read mode	TIMED	TIMED			

2.3 Aspect

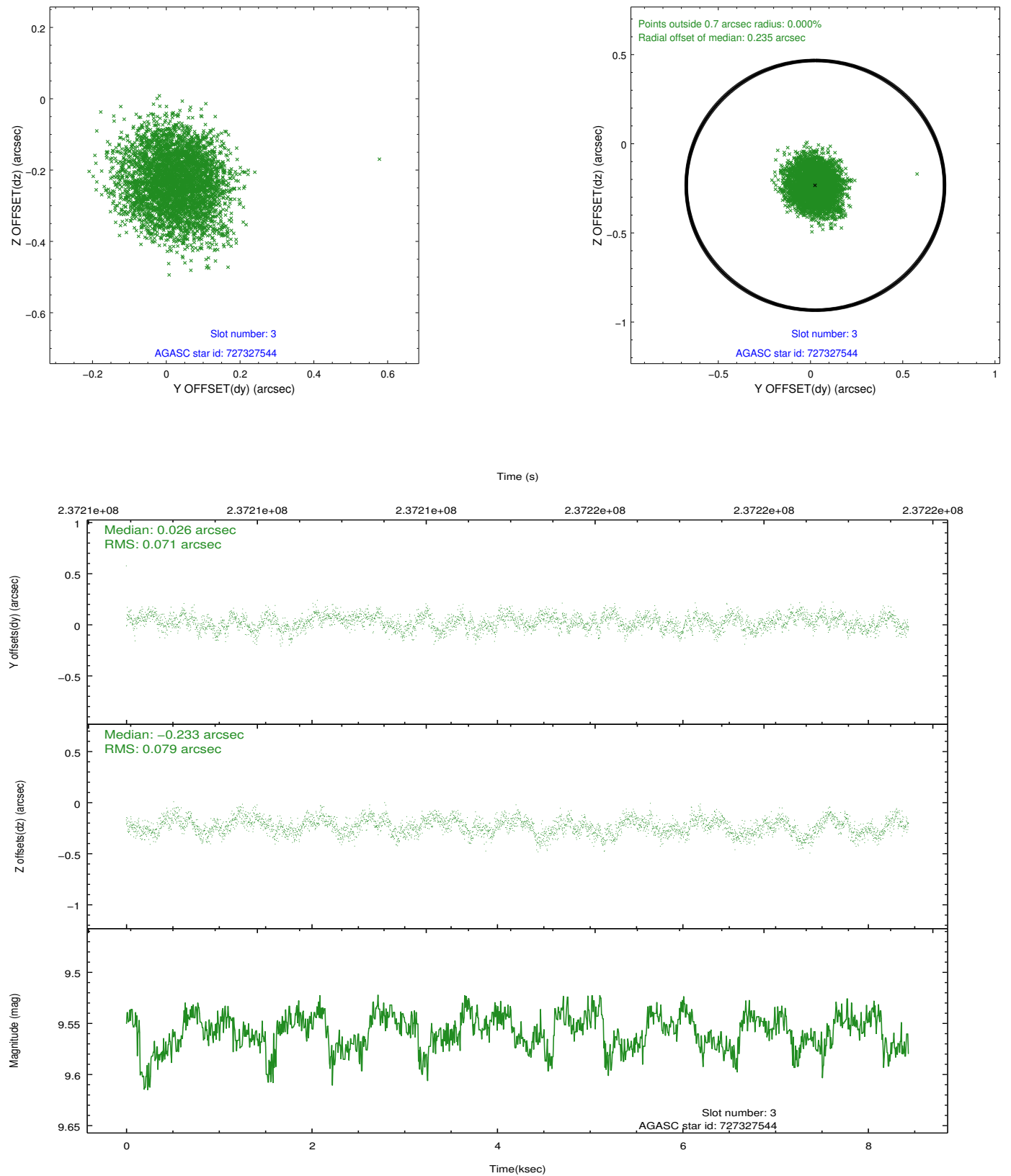


Slot Statistics

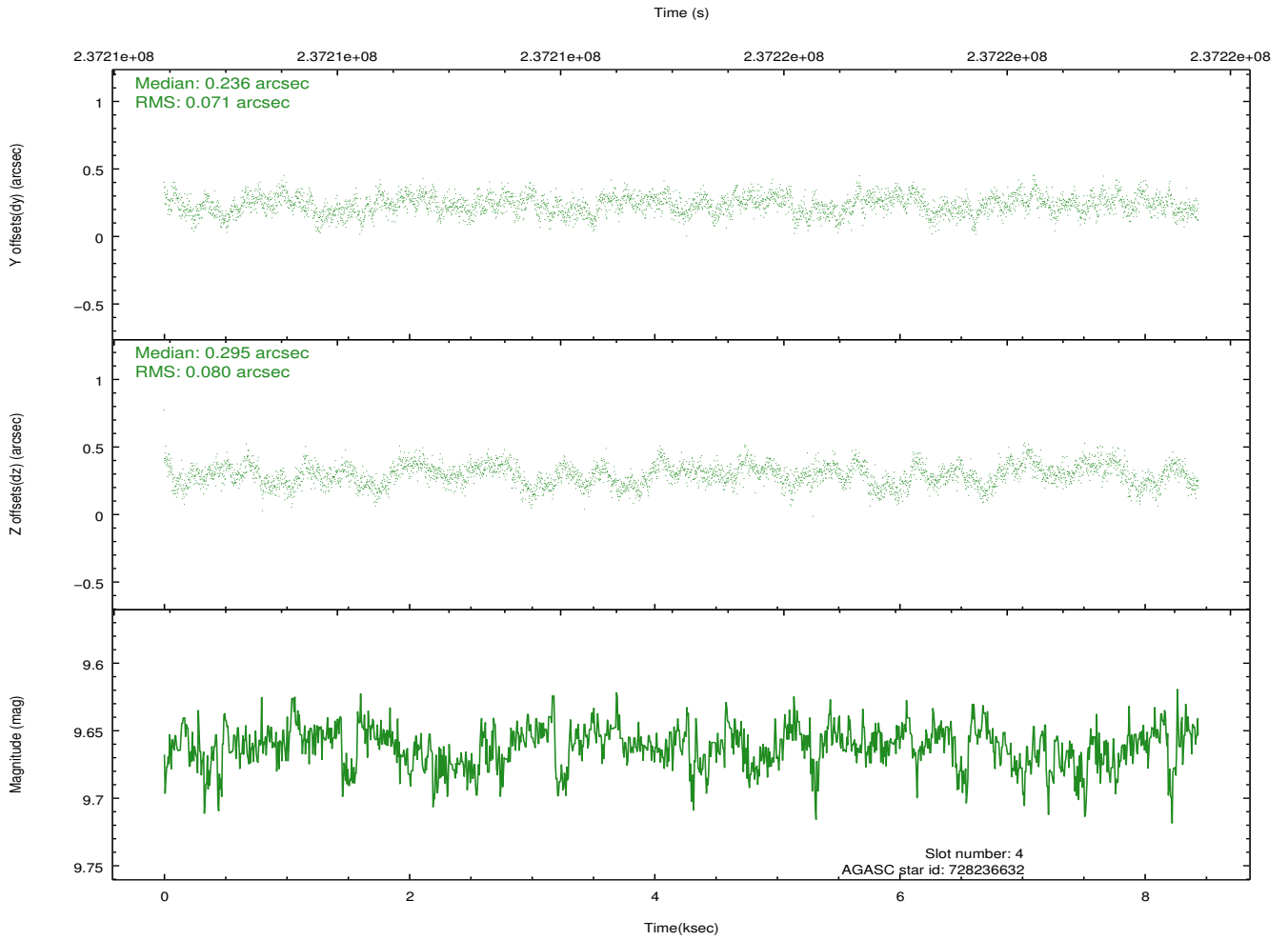
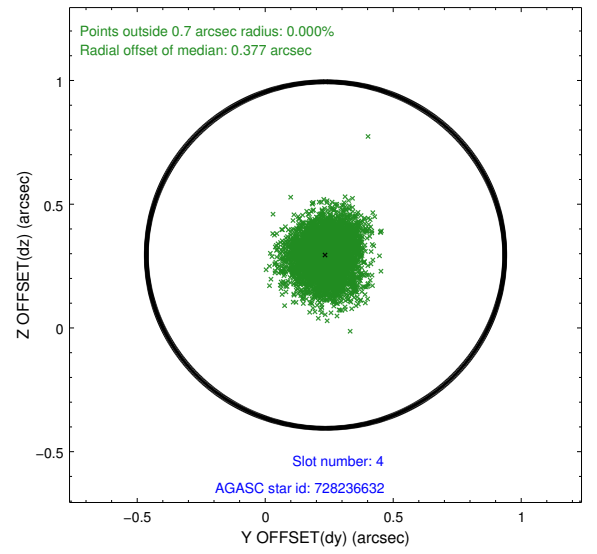
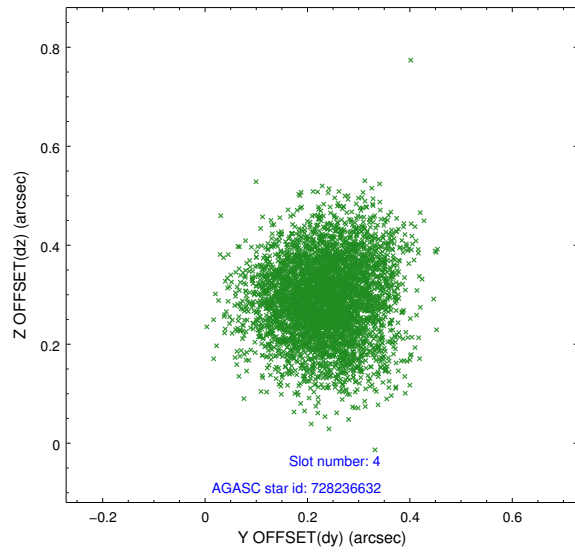
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2058	0.025	-0.041	0.007	0.013	0.000000	0.000000	936.73	-1727.08
1	FID	ACIS-S-5	7.24	2058	-0.069	0.012	0.006	0.010	0.000000	0.000000	-1811.99	169.86
2	FID	ACIS-S-6	7.35	2058	0.023	0.041	0.008	0.013	0.000000	0.000000	401.58	814.58
3	GUIDE	727327544	9.56	4113	0.026	-0.233	0.115	0.179	206.398747	-11.483258	726.37	50.41
4	GUIDE	728236632	9.66	4111	0.236	0.295	0.115	0.186	206.842205	-12.122561	2325.98	2327.38
5	GUIDE	728245744	8.67	4115	-0.160	0.120	0.136	0.202	206.959040	-11.284446	-642.32	1647.43
6	GUIDE	727322224	10.09	4114	0.017	-0.196	0.308	0.452	205.710123	-11.336917	1098.72	-2407.62
7	GUIDE	728237448	9.98	4109	-0.111	0.023	0.165	0.260	206.977918	-10.790049	-2331.51	1080.41

2.4 Star Slots

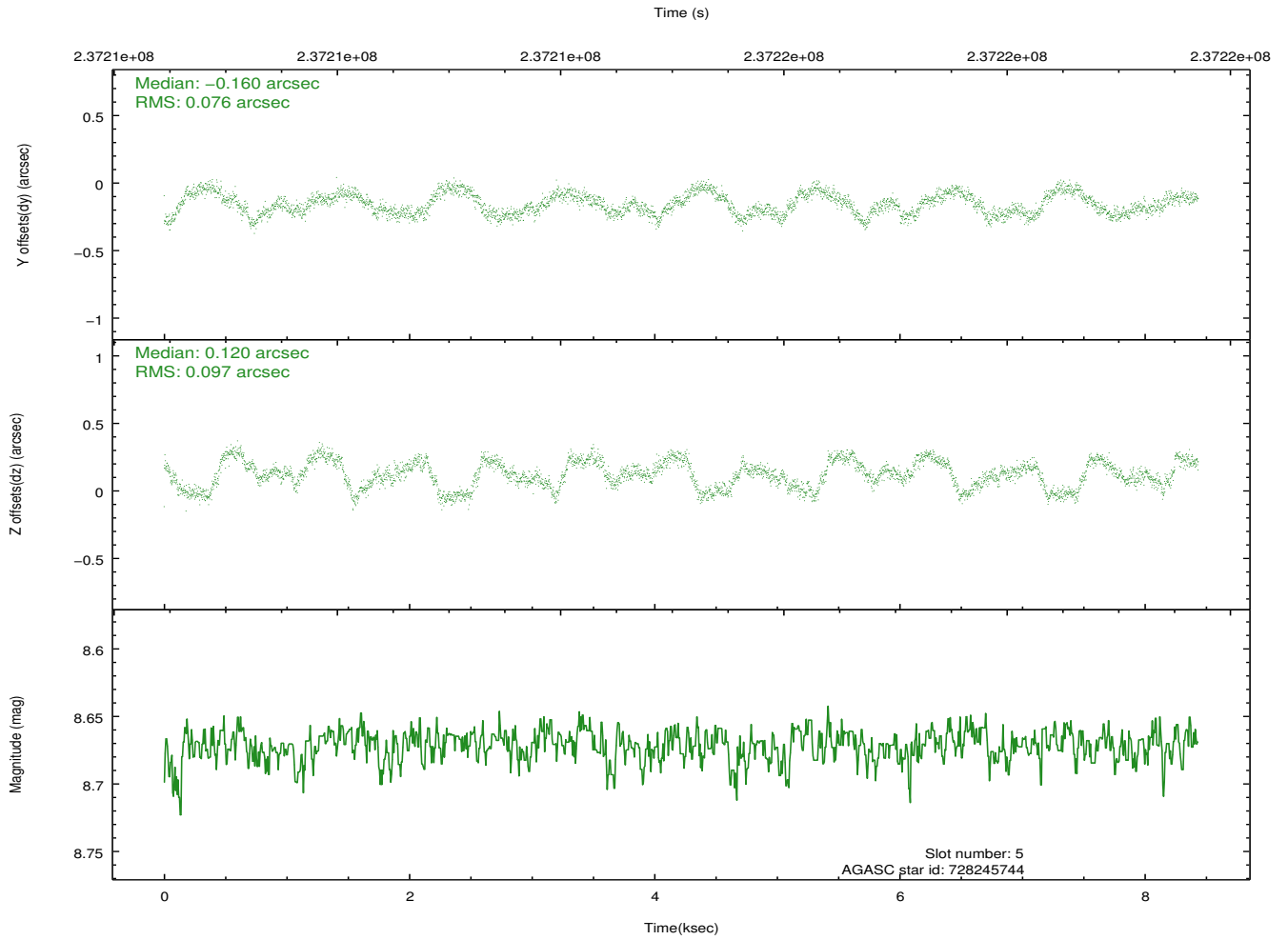
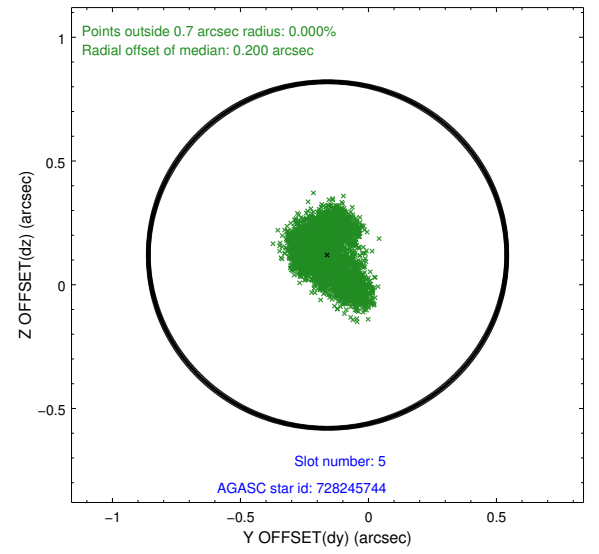
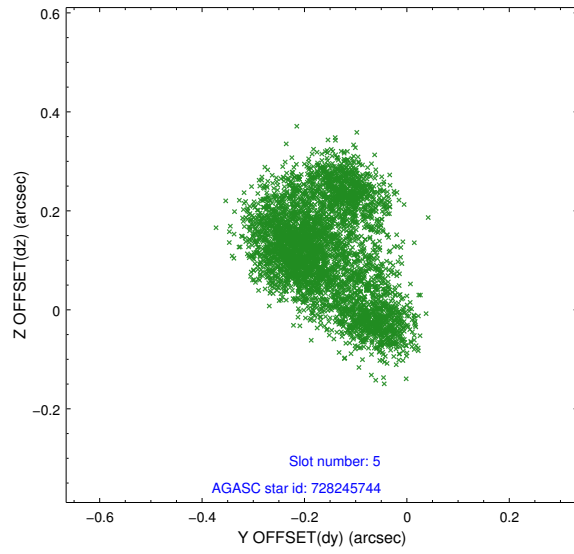
2.4.1 Slot 3



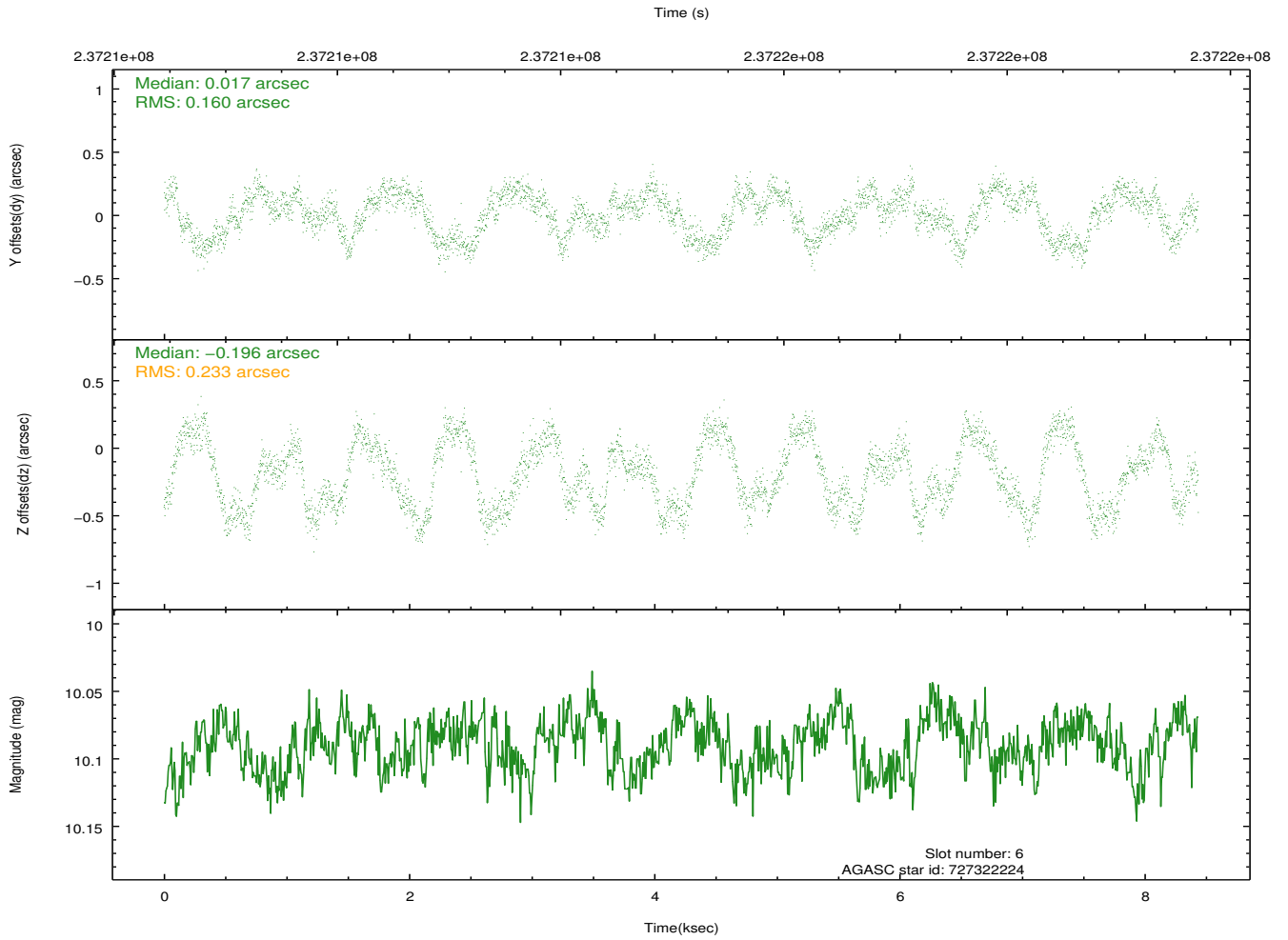
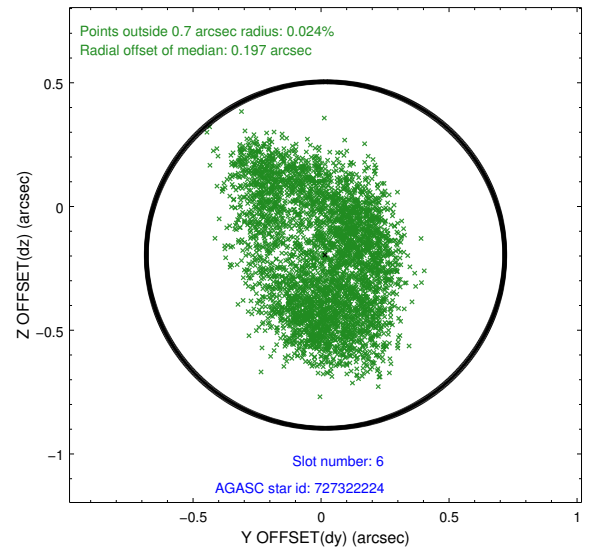
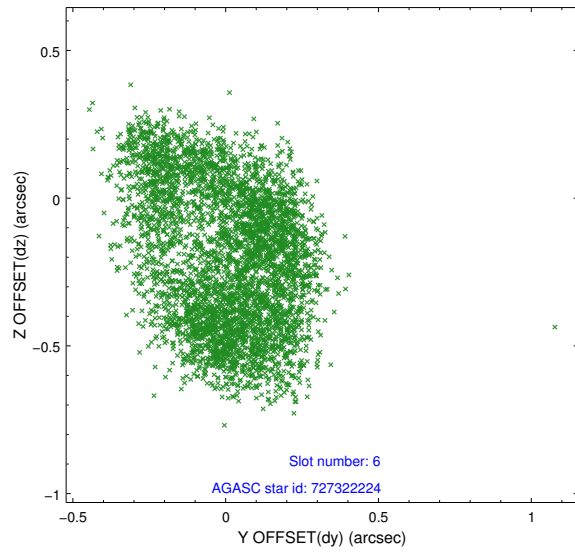
2.4.2 Slot 4



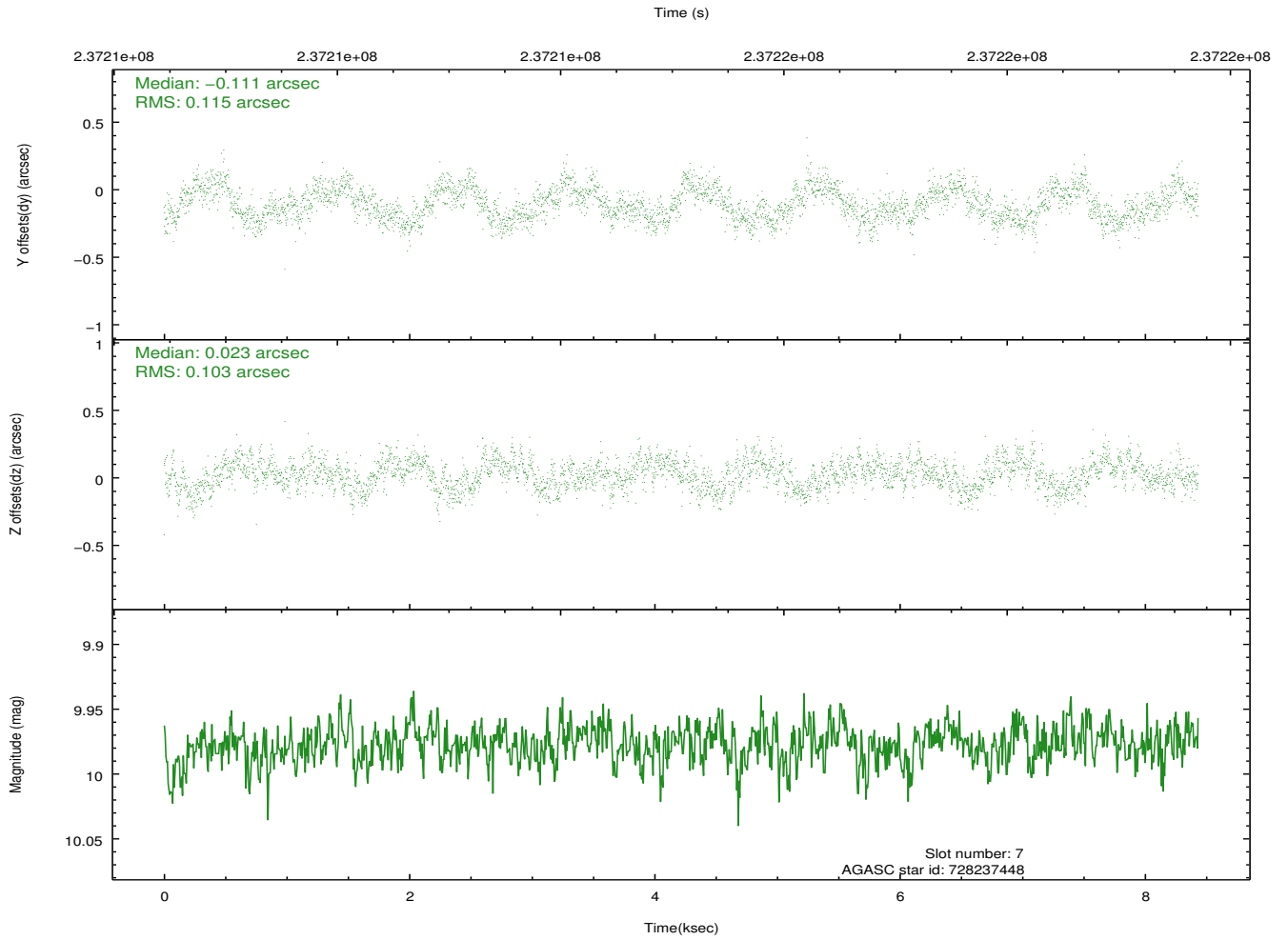
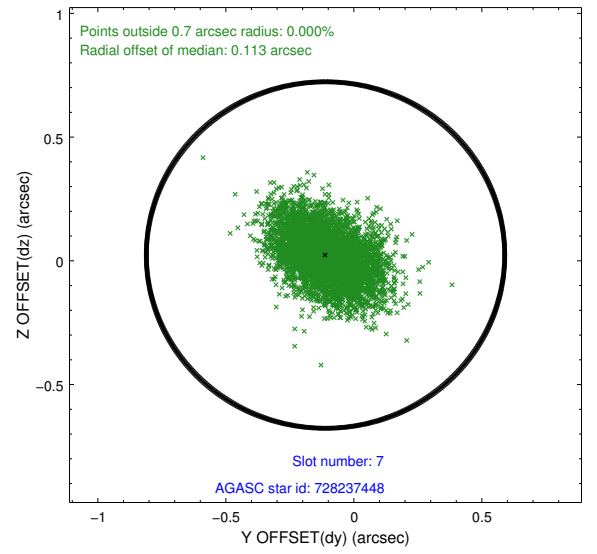
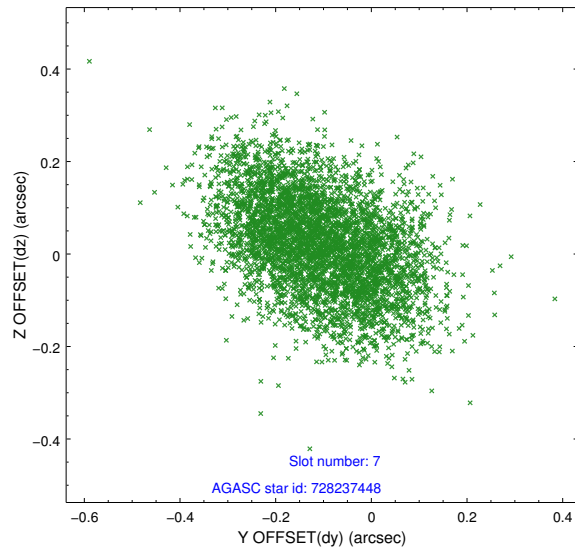
2.4.3 Slot 5



2.4.4 Slot 6

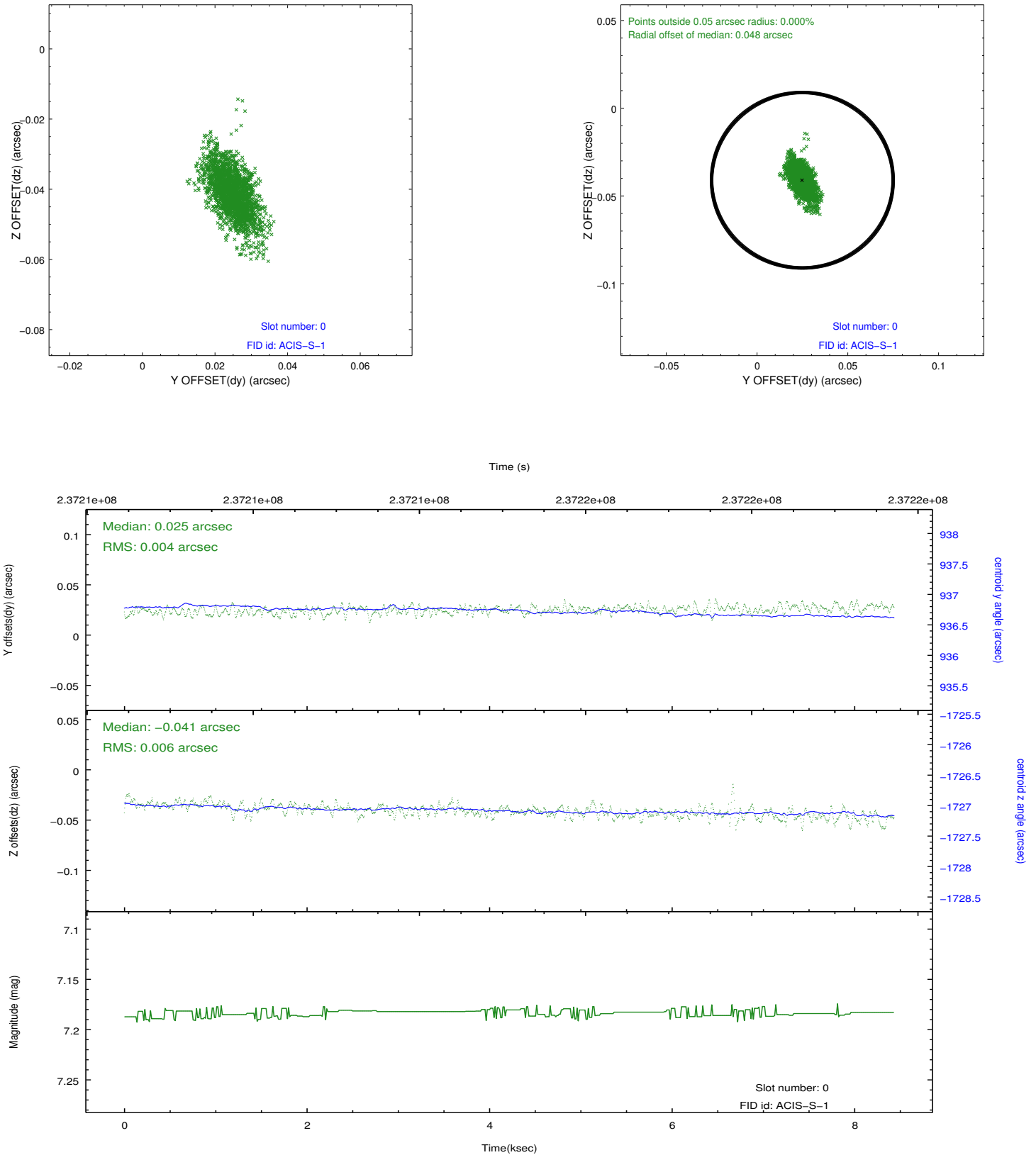


2.4.5 Slot 7

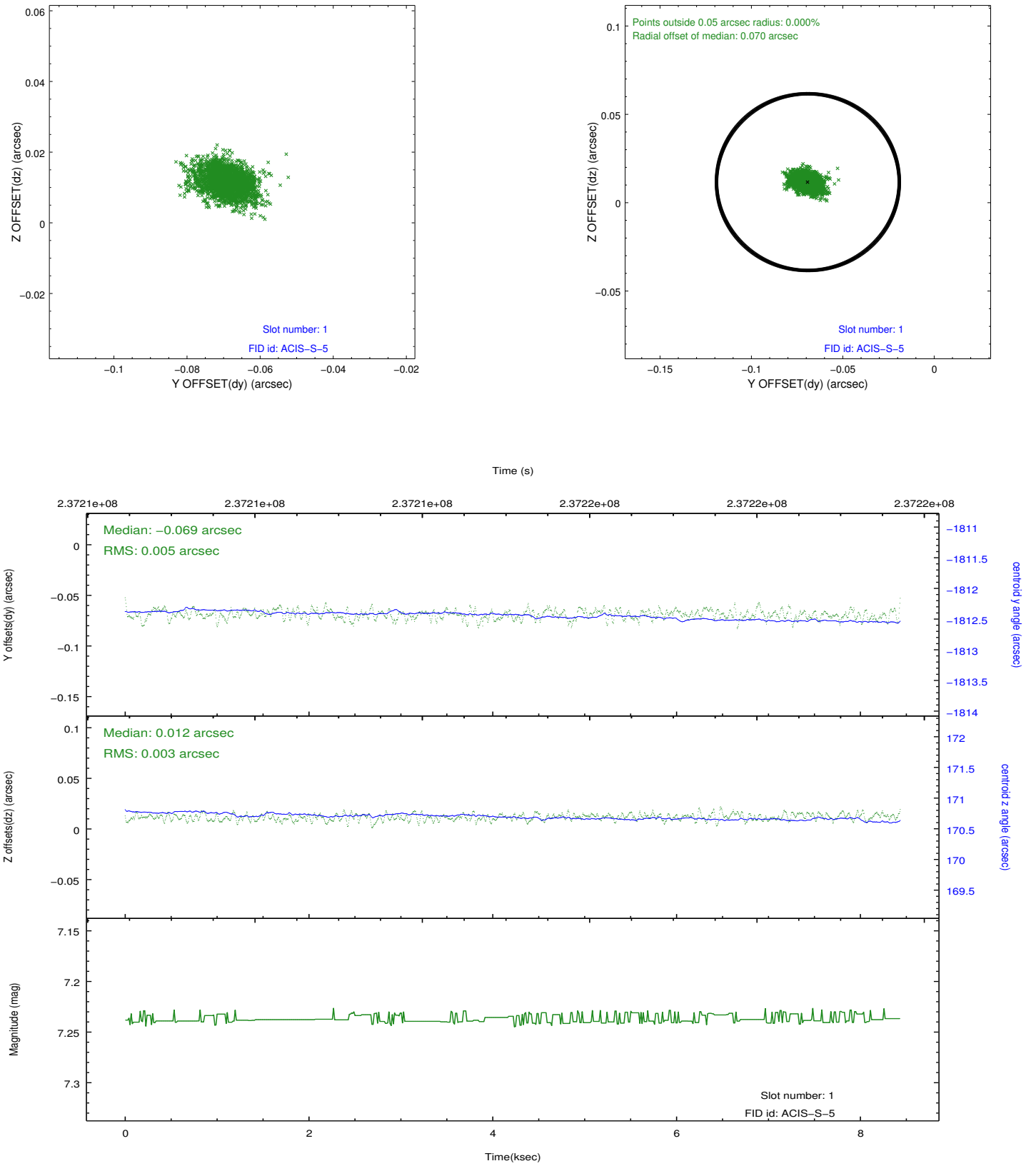


2.5 FID Slots

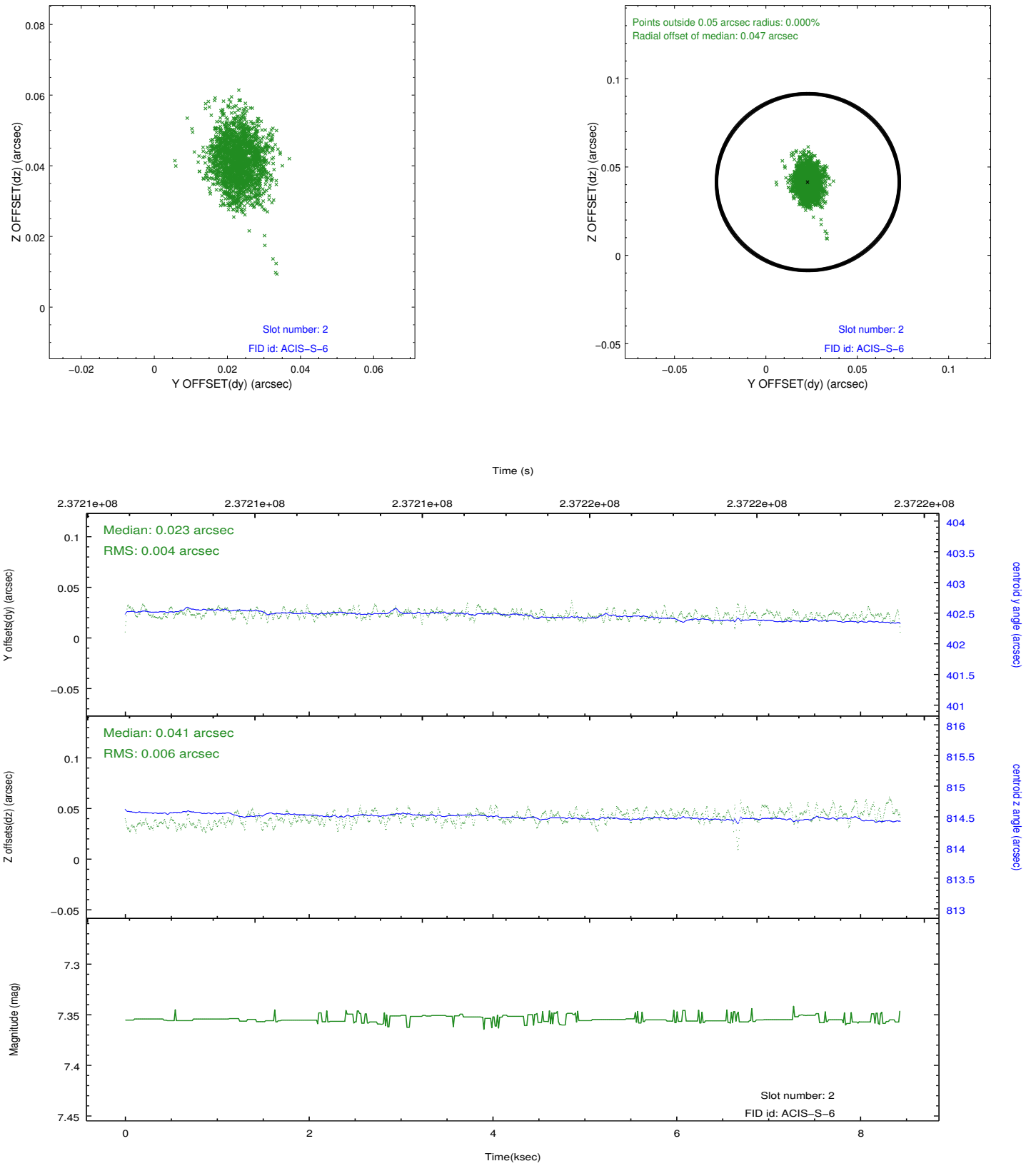
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.435199

A.2 Comments