

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5086 - L2 Version 3
Chandra X-Ray Center

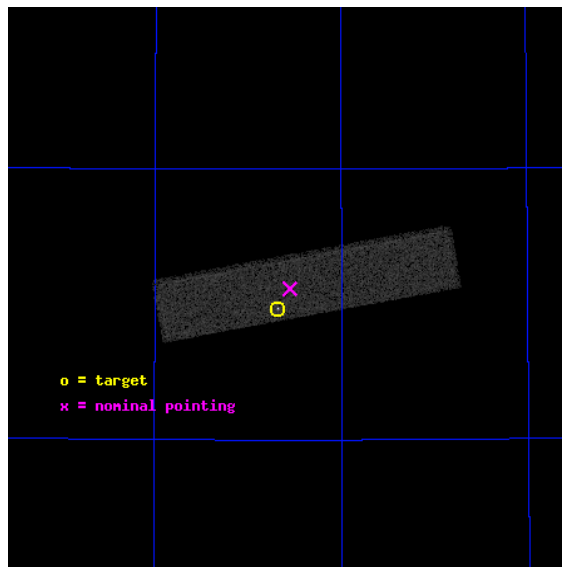
L2 Processing Date : Nov 11 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

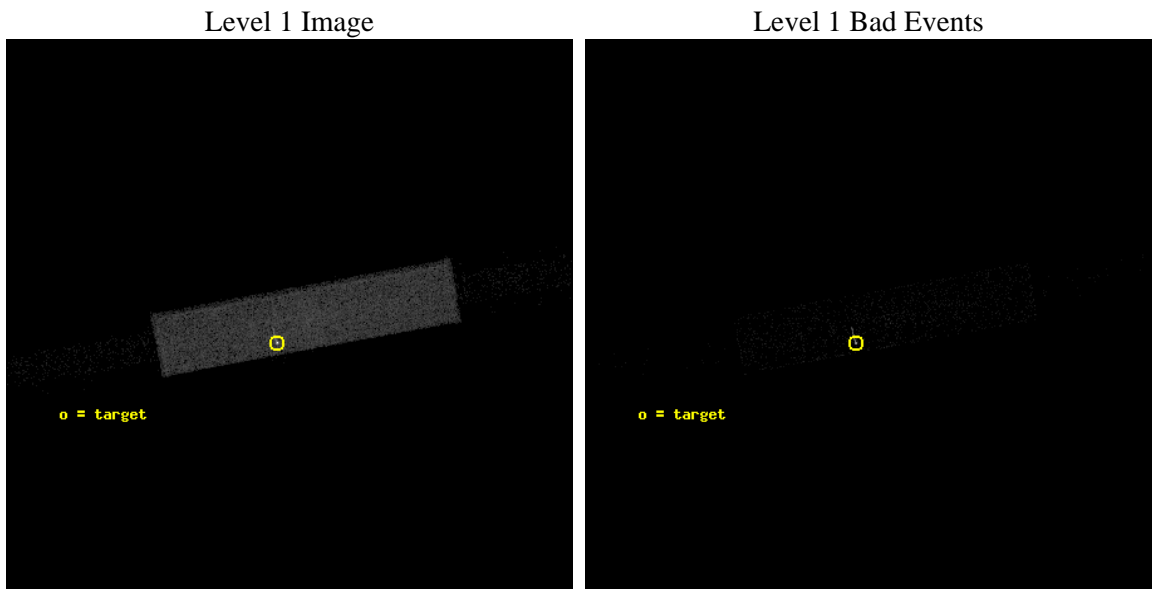
seq_num	290359	Sequence number
obs_id	5086	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13800198838	Nominal RA [deg]
dec_nom	45.779065386729	Nominal Dec [deg]
roll_nom	349.54031586155	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1088.8062976301	[s]
livetime	1083.145757087	Ontime multiplied by DTCOR
l2events	39707	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	946.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1088.8062976301	[s]
caldsver	4.5.2	 	l1events	66524	Number of level 1 events
date	2012-11-11T14:41:23	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

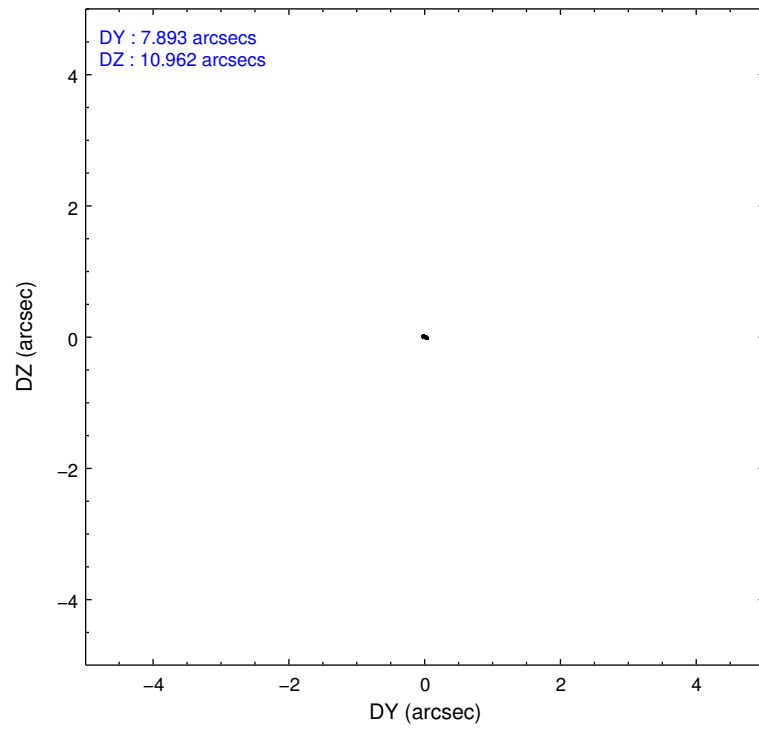
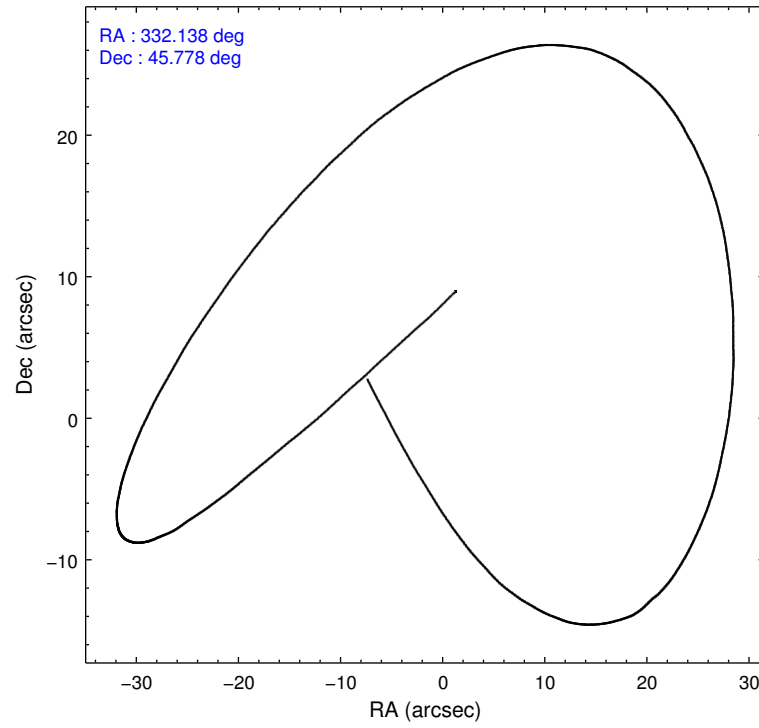
Level 1 Events

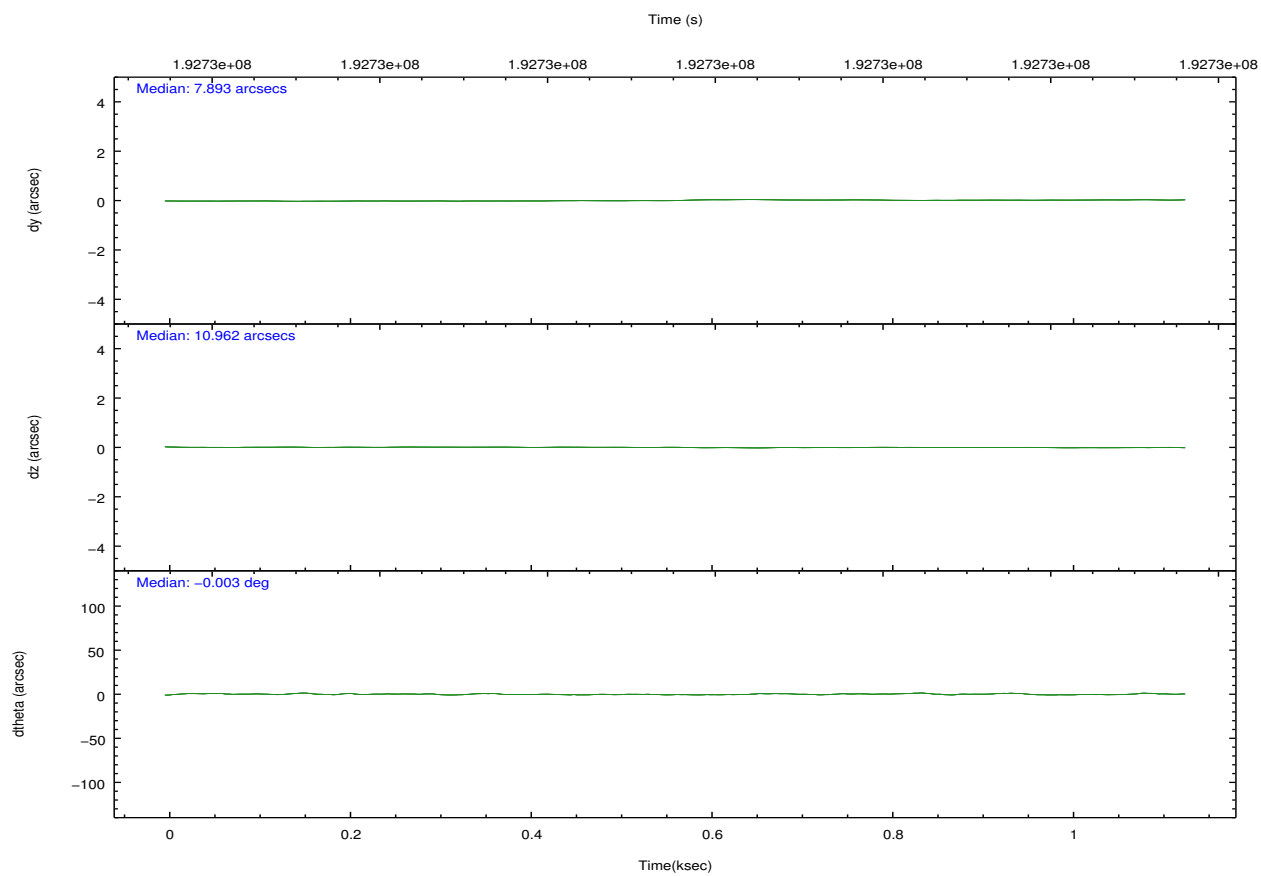
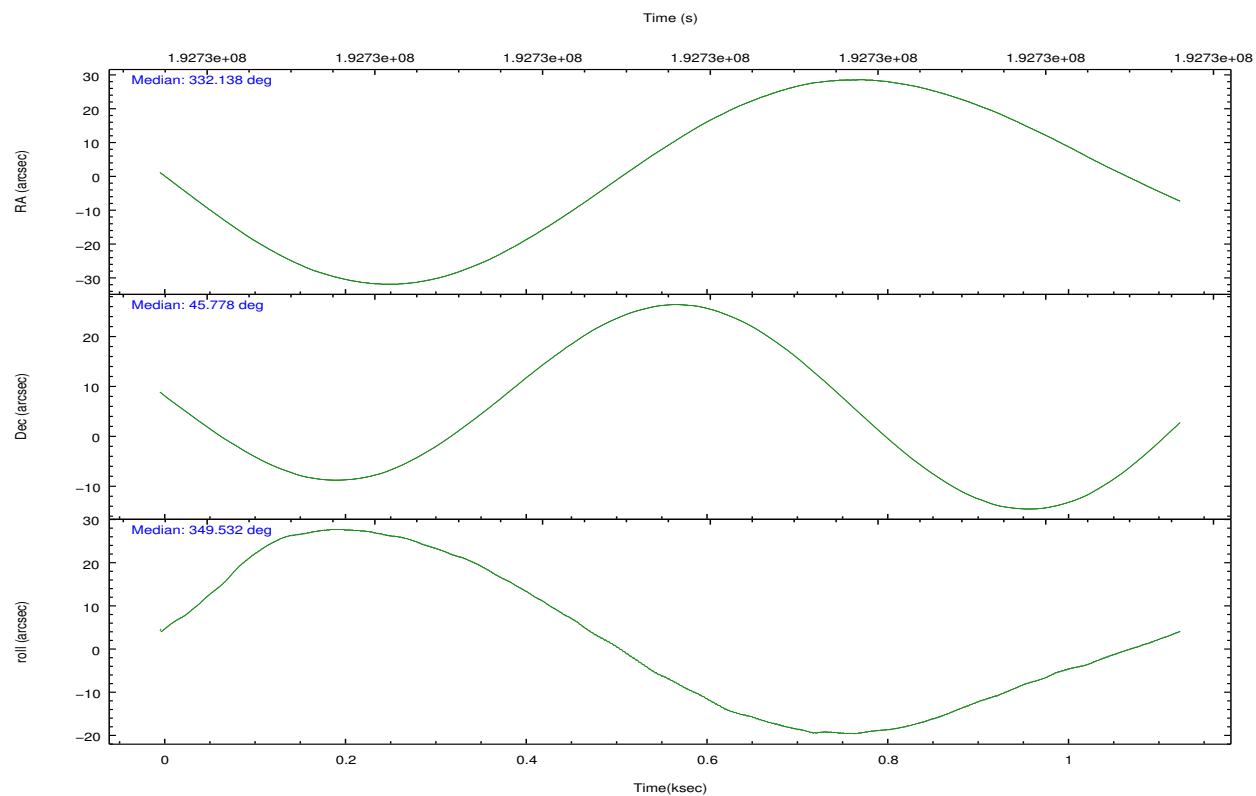
	segment 1	segment 2	segment 3
level 1 events	1159	64278	1087
rejected events	1159	15113	1087
rejected %	100%	23%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.100405	332.1380019883835			
[deg] Pointing Dec	45.769293	45.77906538672892			
[deg] Pointing Roll	349.499913	349.5403158615461			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	192727169.184000	192726792.59732			
Observation start date	2004-02-09T15:18:25	2004-02-09T15:13:12			
[s] Observation end time (MET)	192728115.184000	192728249.12238			
Observation end date	2004-02-09T15:34:11	2004-02-09T15:37:29			

2.3 Aspect



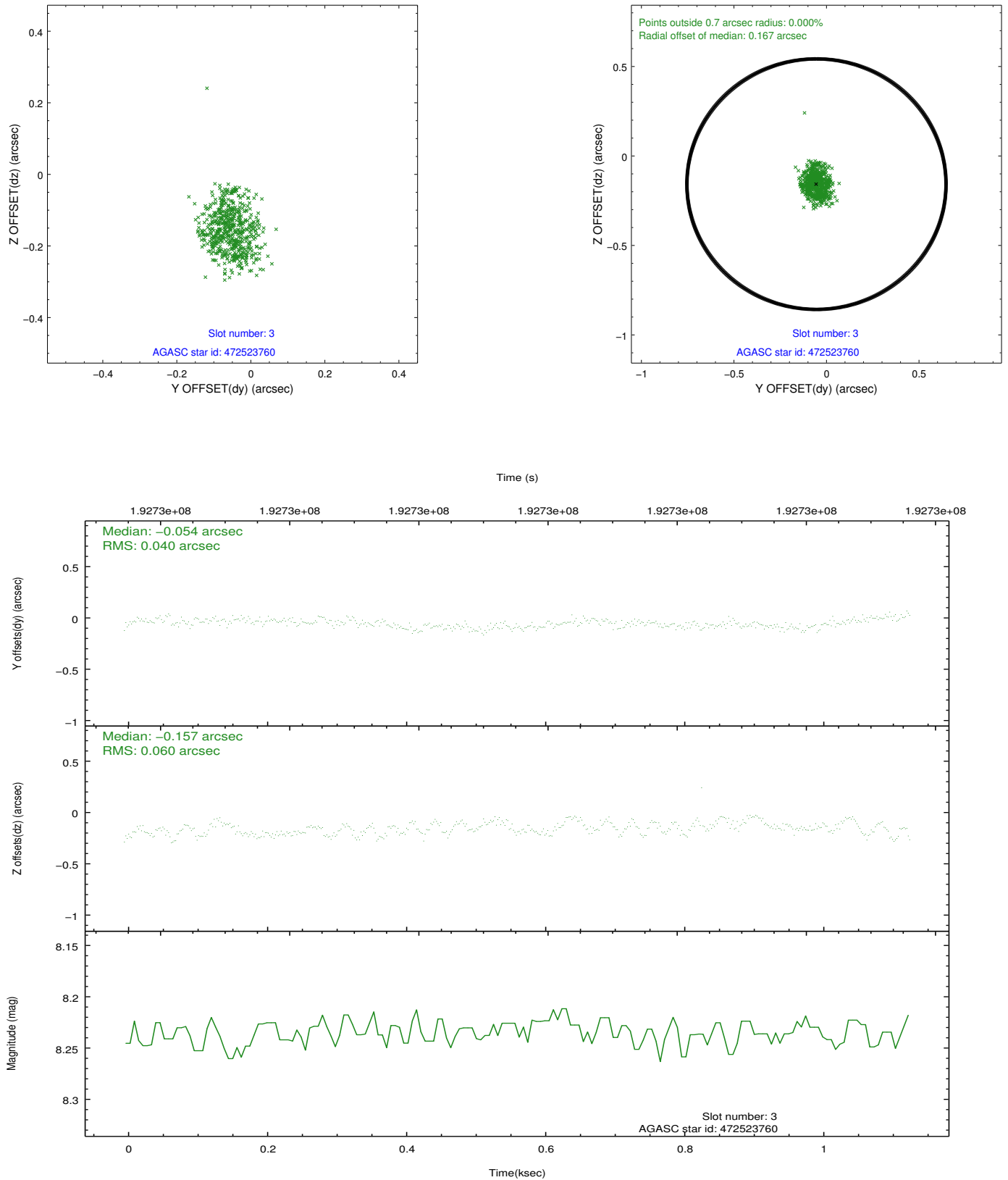


Slot Statistics

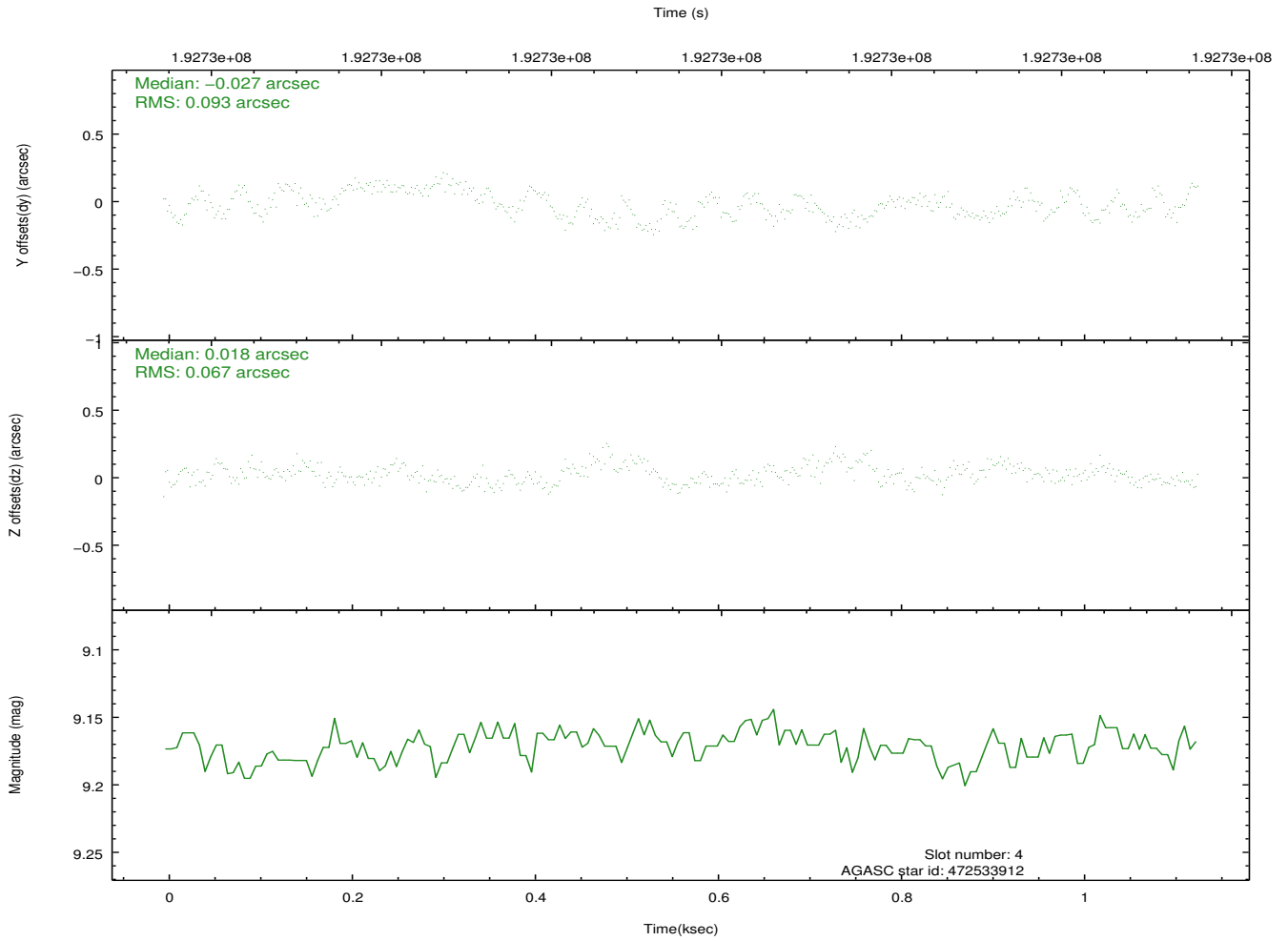
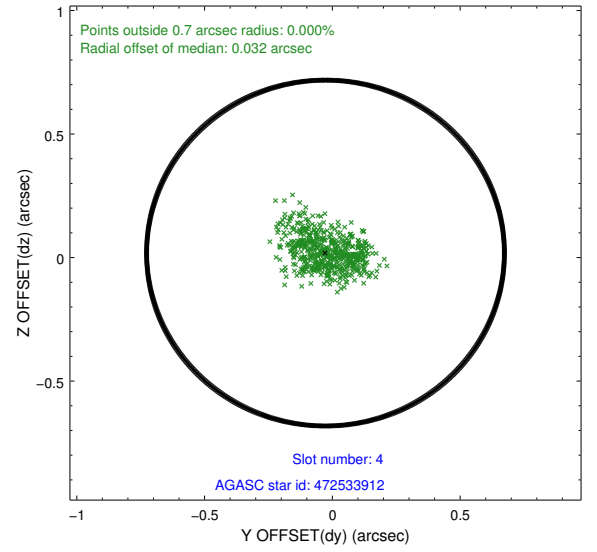
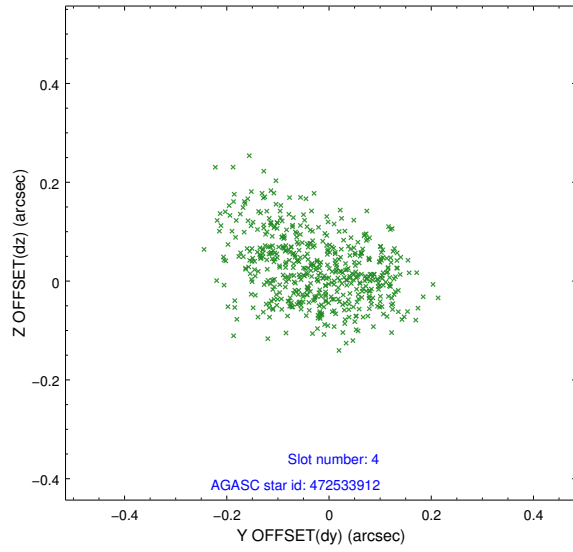
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	276	0.148	-0.170	0.007	0.011	0.000000	0.000000	-1162.05	-459.67
1	FID	HRC-S-2	7.03	276	0.134	-0.109	0.004	0.009	0.000000	0.000000	1233.40	-453.94
2	FID	HRC-S-3	7.05	276	0.109	-0.023	0.007	0.011	0.000000	0.000000	-1160.33	568.36
3	GUIDE	472523760	8.24	552	-0.054	-0.157	0.076	0.120	331.645363	45.403260	-890.92	-1498.09
4	GUIDE	472533912	9.17	552	-0.027	0.018	0.125	0.195	331.791136	46.368695	-1150.50	1984.63
5	GUIDE	472655152	9.42	548	0.100	0.033	0.106	0.189	332.504239	45.862991	931.90	526.62
6	GUIDE	472659832	9.46	552	0.036	0.099	0.105	0.174	332.780399	46.098139	1453.89	1486.03
7	GUIDE	472654568	9.43	551	-0.058	0.013	0.110	0.183	332.194449	45.063576	701.38	-2447.25

2.4 Star Slots

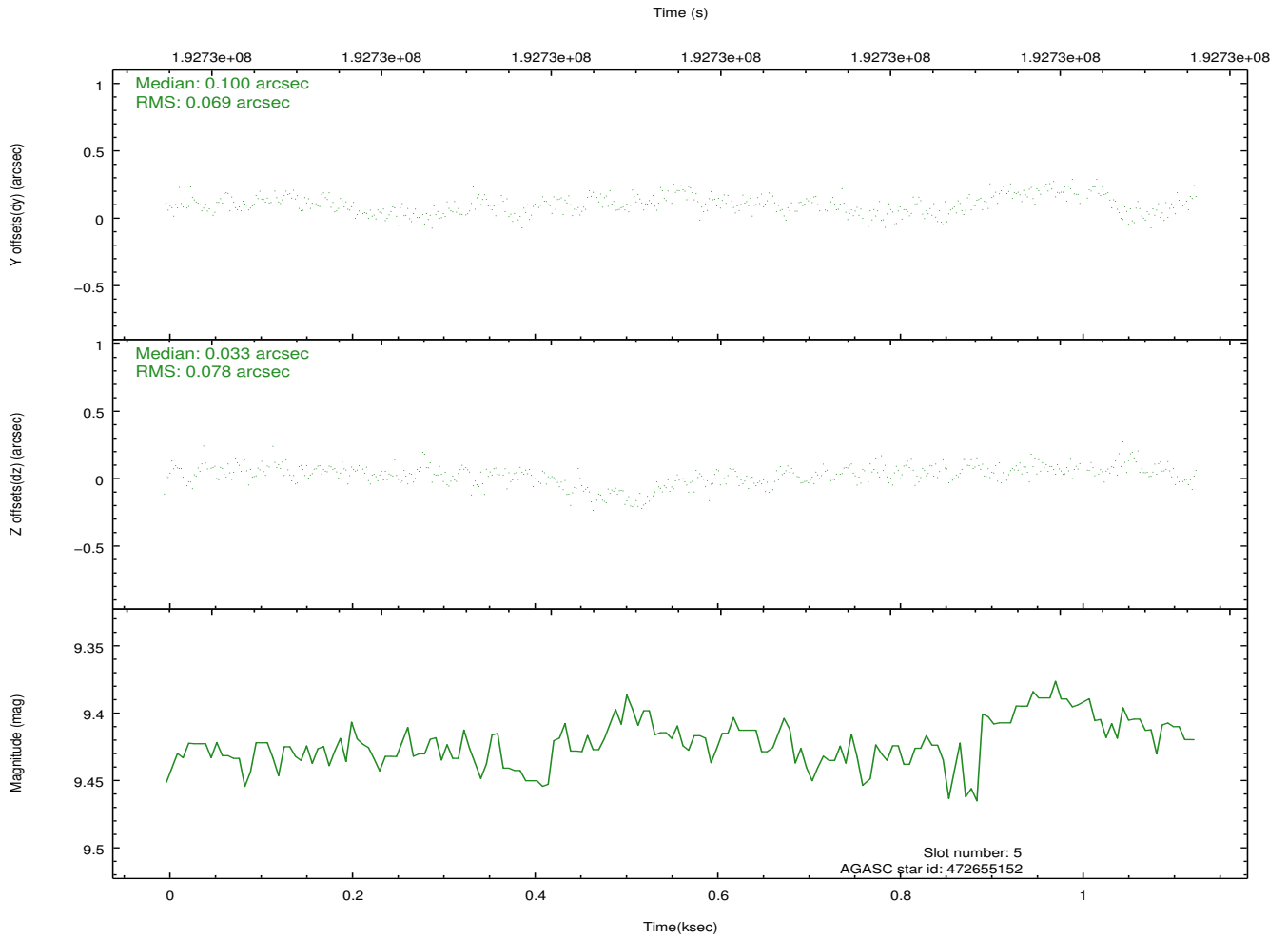
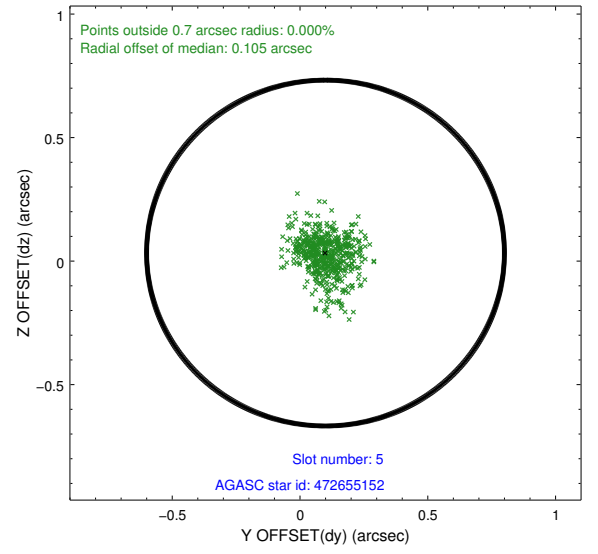
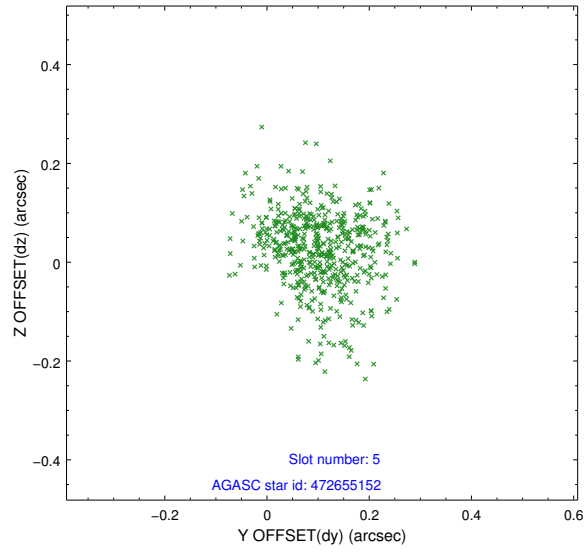
2.4.1 Slot 3



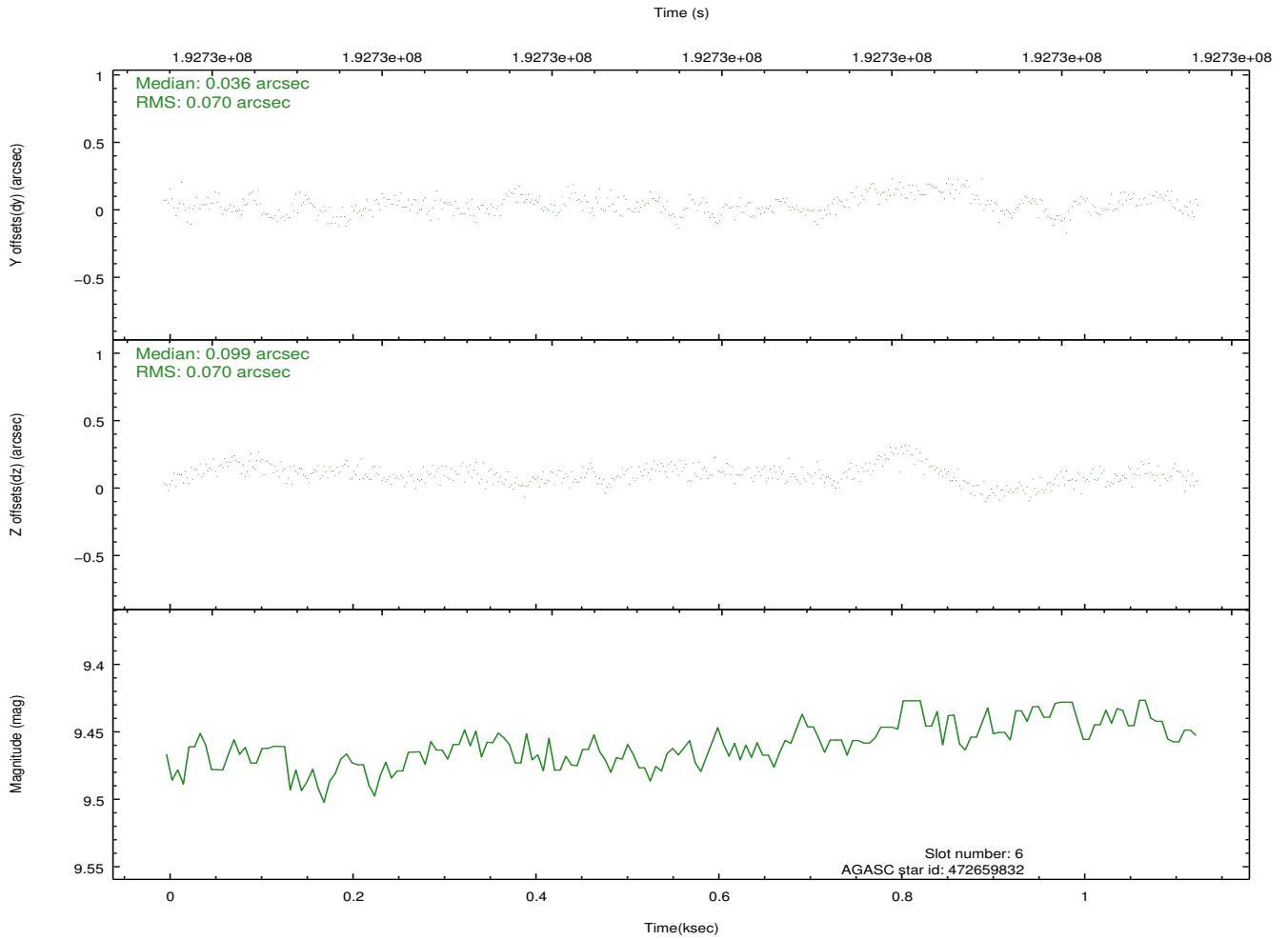
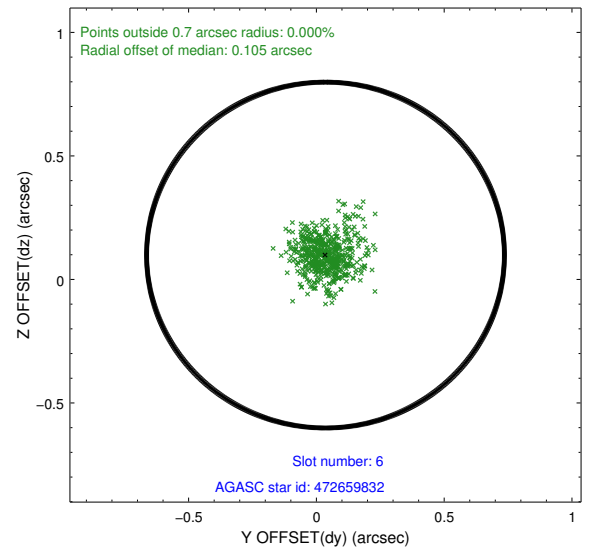
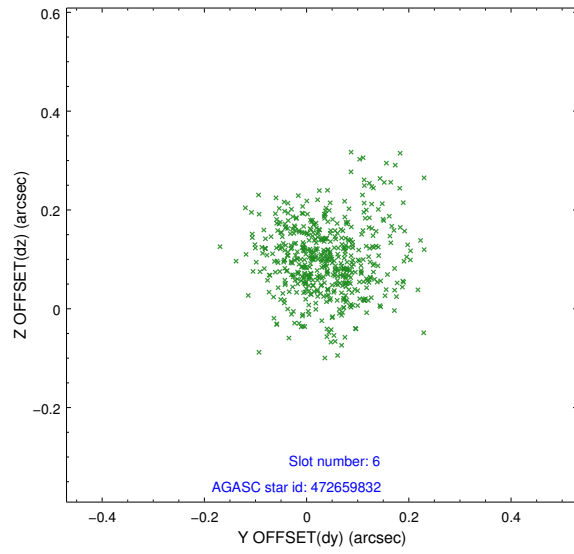
2.4.2 Slot 4



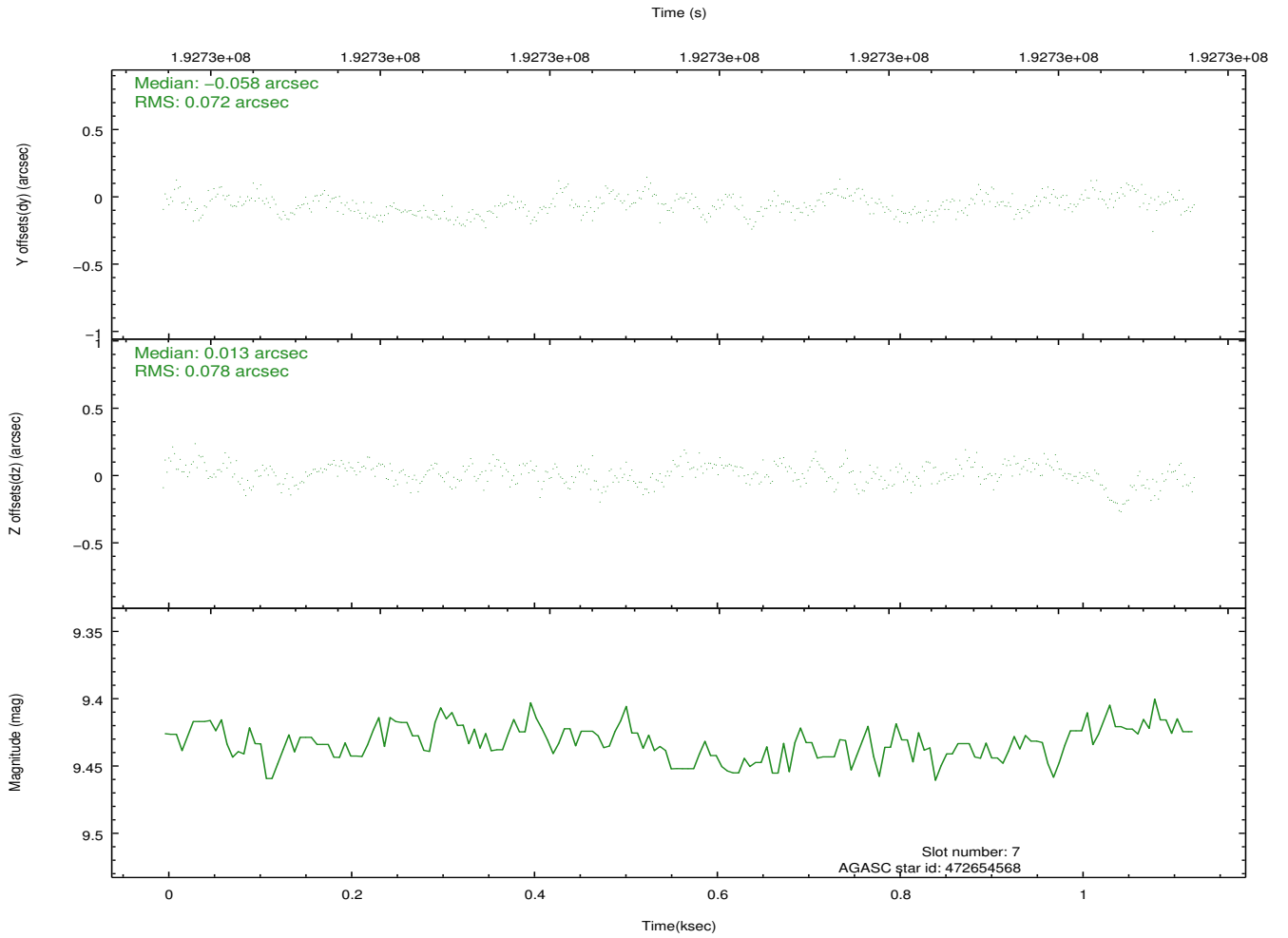
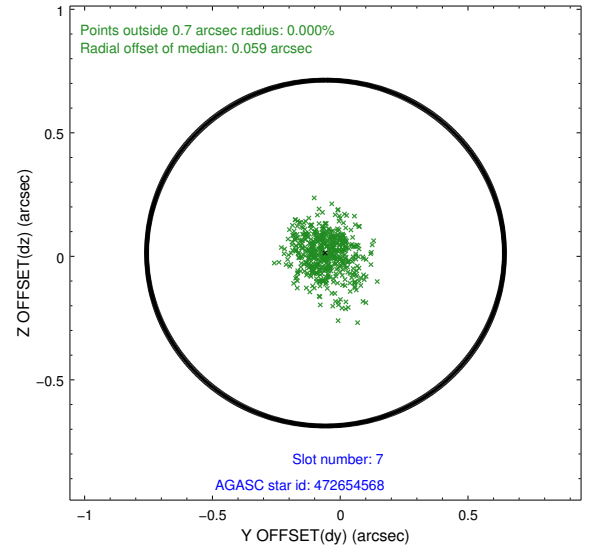
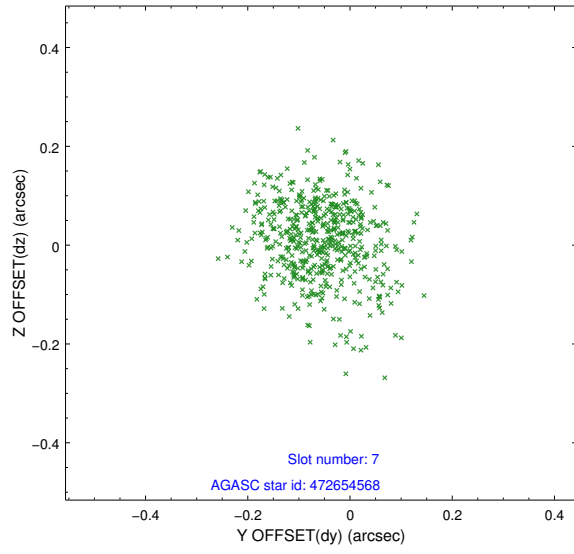
2.4.3 Slot 5



2.4.4 Slot 6

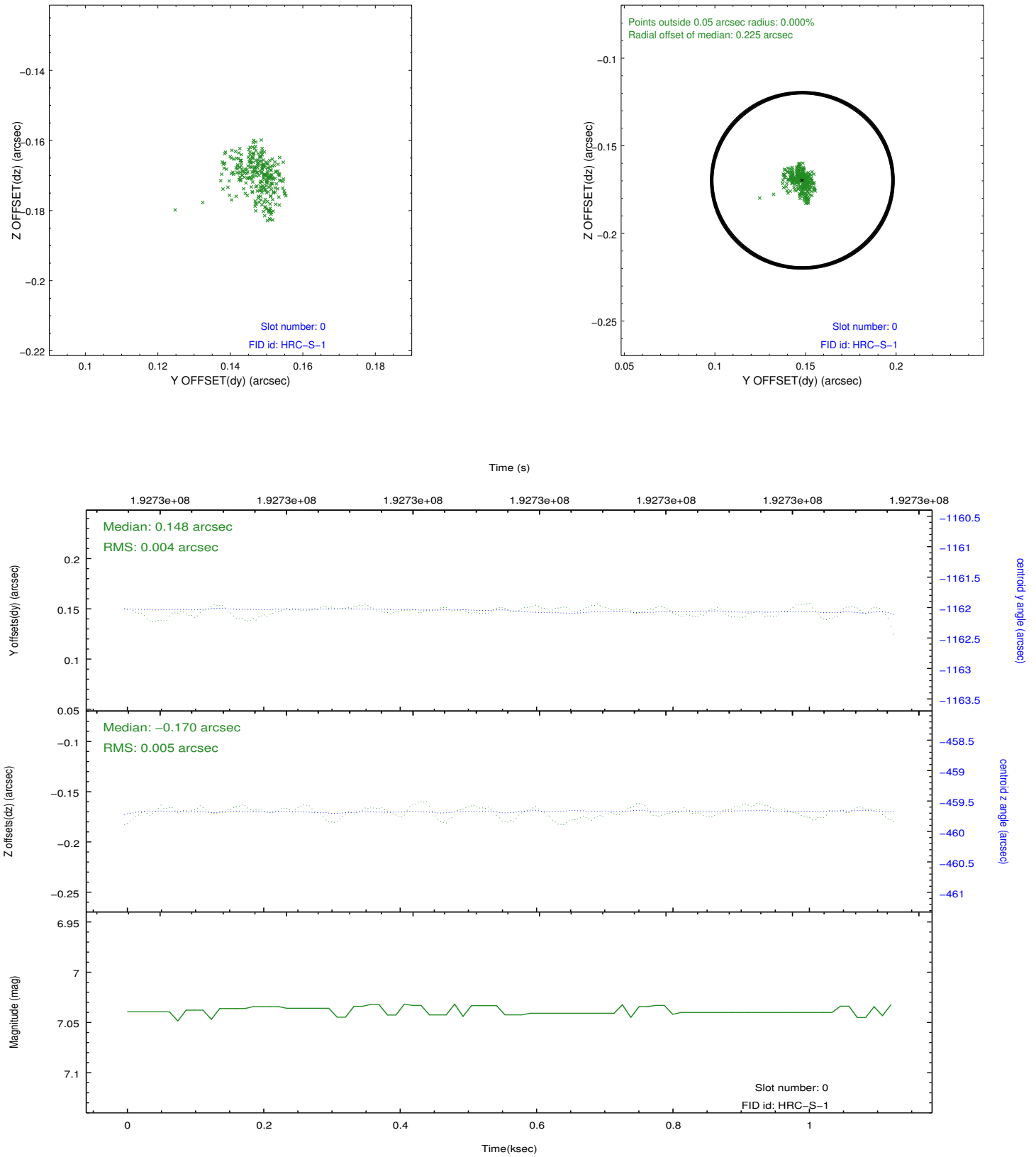


2.4.5 Slot 7

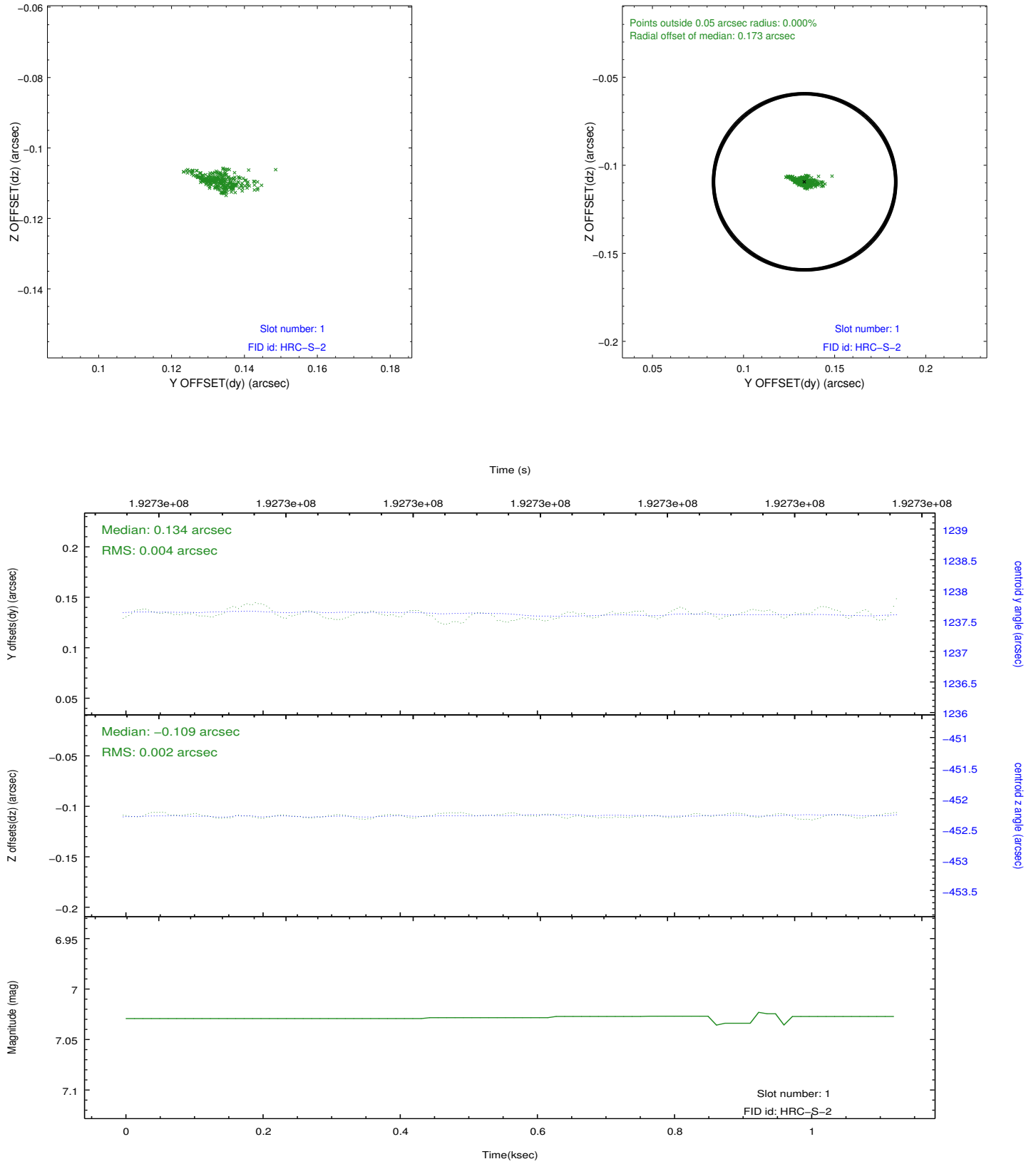


2.5 FID Slots

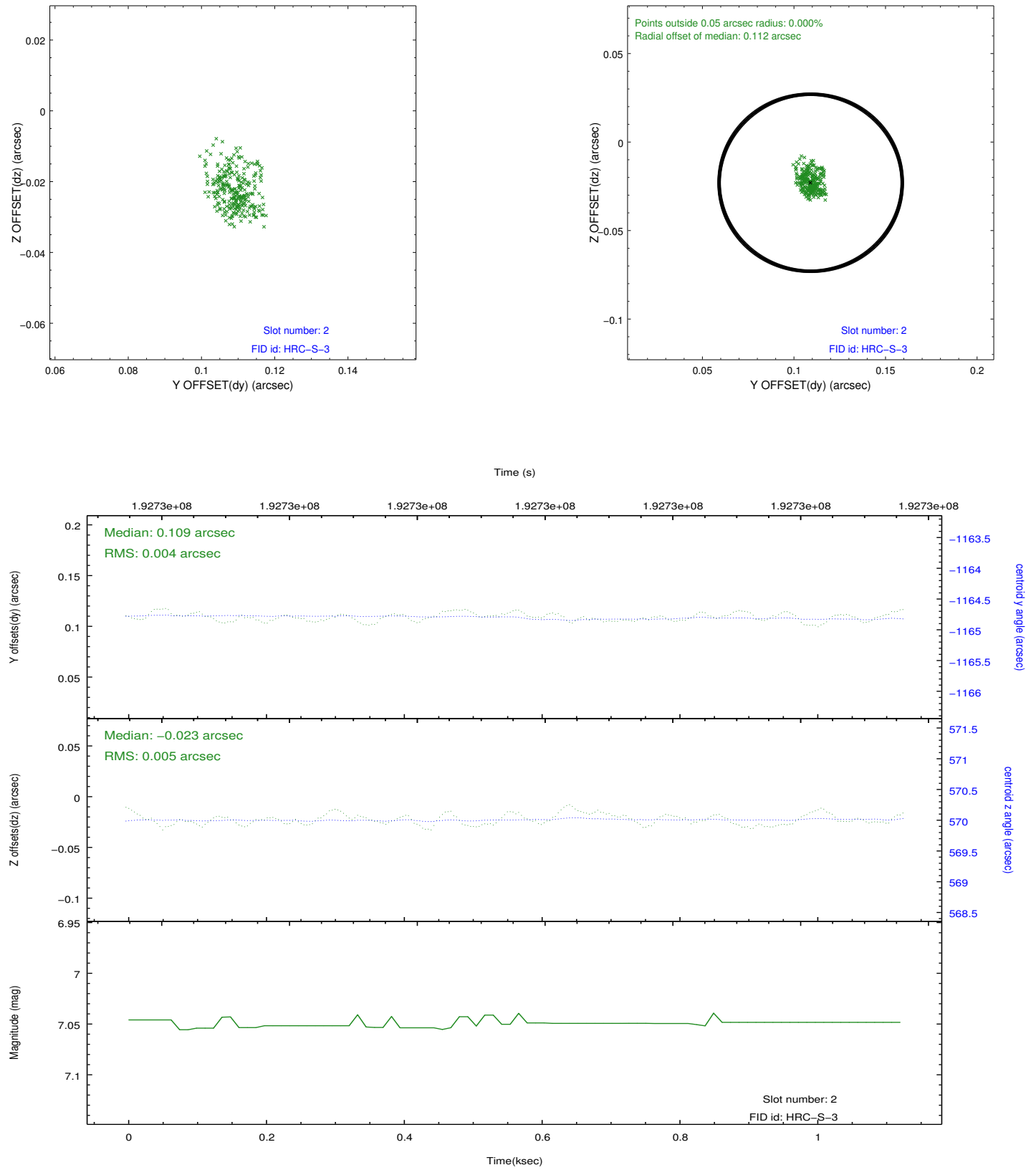
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.088

A.2 Comments