

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2663 - L2 Version 3
Chandra X-Ray Center

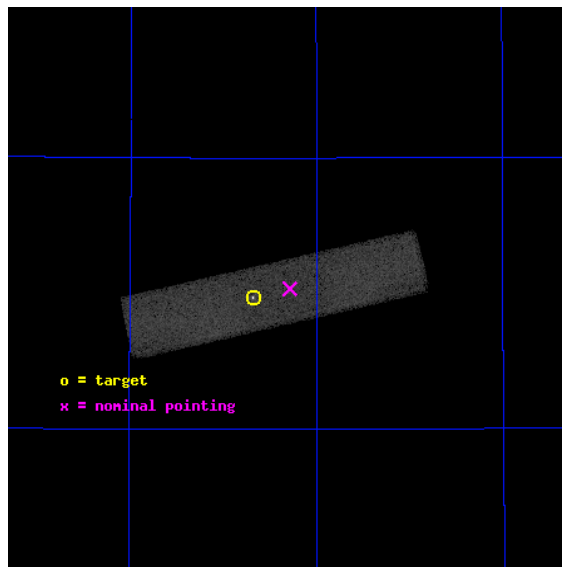
L2 Processing Date : Oct 13 2012

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

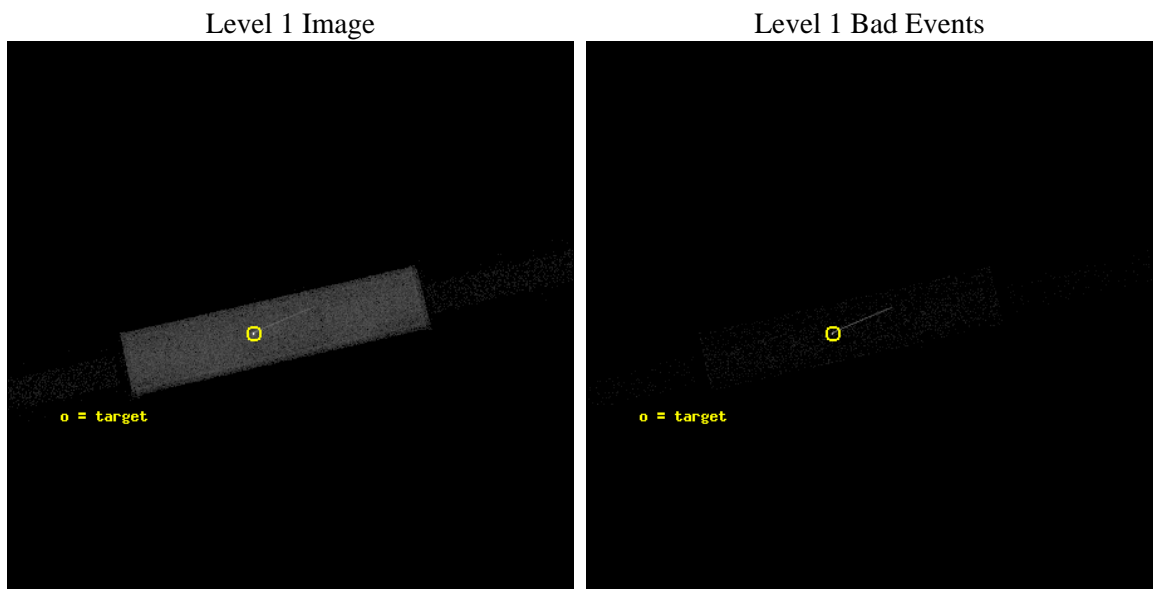
seq_num	290219	Sequence number
obs_id	2663	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07113916558	Nominal RA [deg]
dec_nom	45.758710393481	Nominal Dec [deg]
roll_nom	167.08540509921	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.0812970102	[s]
livetime	1132.587868271	Ontime multiplied by DTCOR
l2events	64513	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1141.0812970102	[s]
caldbver	4.5.2	 	l1events	100619	Number of level 1 events
date	2012-10-14T00:26:19	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

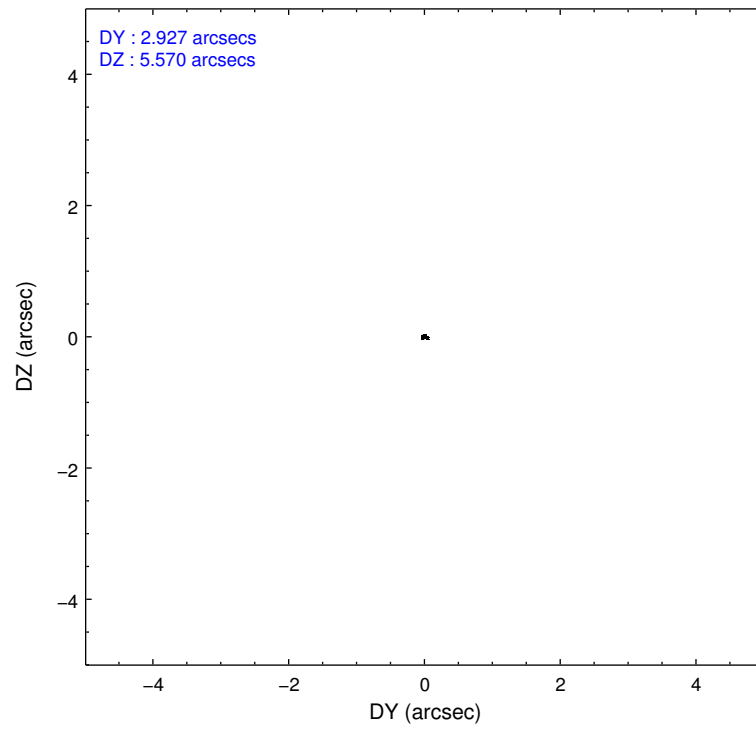
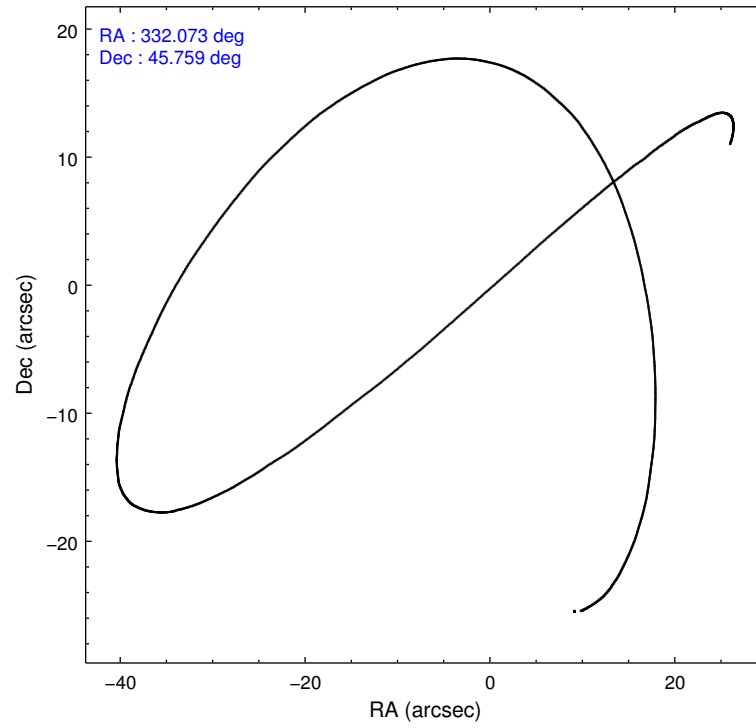
Level 1 Events

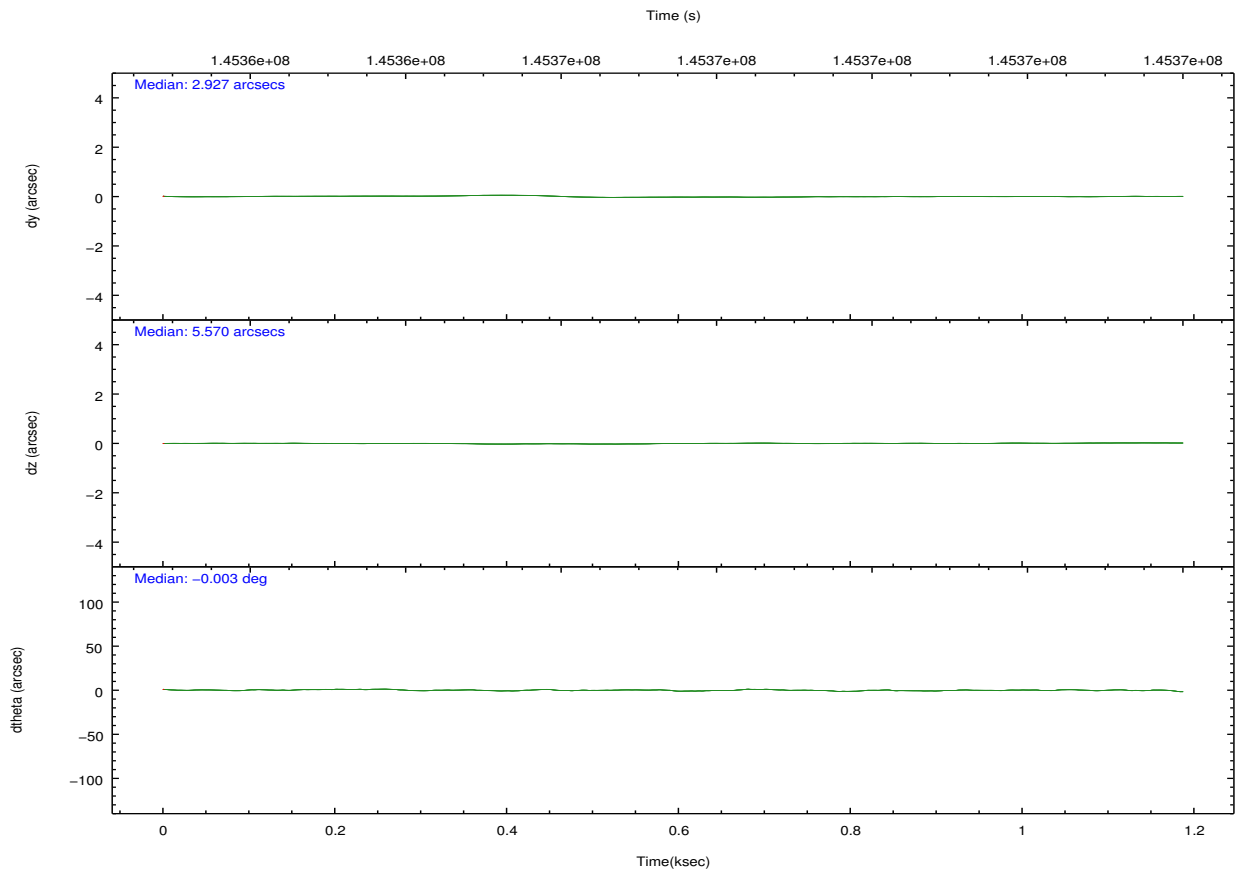
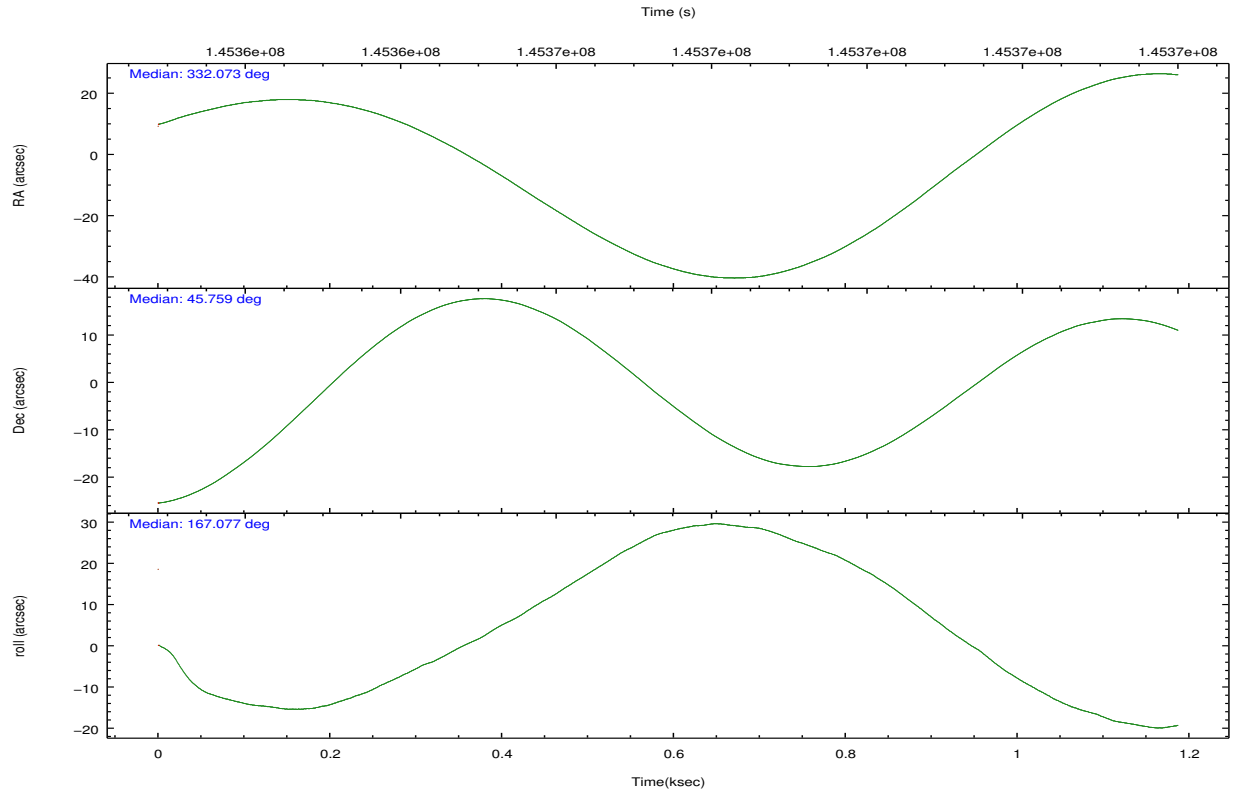
	segment 1	segment 2	segment 3
level 1 events	2006	96833	1780
rejected events	2006	22850	1780
rejected %	100%	23%	100%

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	332.108971	332.0711391655774			
[deg] Pointing Dec	45.768245	45.7587103934807			
[deg] Pointing Roll	166.990876	167.0854050992051			
[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)	145364940.184000	145364564.34012			
Observation start date	2002-08-10T11:07:56	2002-08-10T11:02:44			
[s] Observation end time (MET)	145365940.184000	145366074.16519			
Observation end date	2002-08-10T11:24:36	2002-08-10T11:27:54			

2.3 Aspect



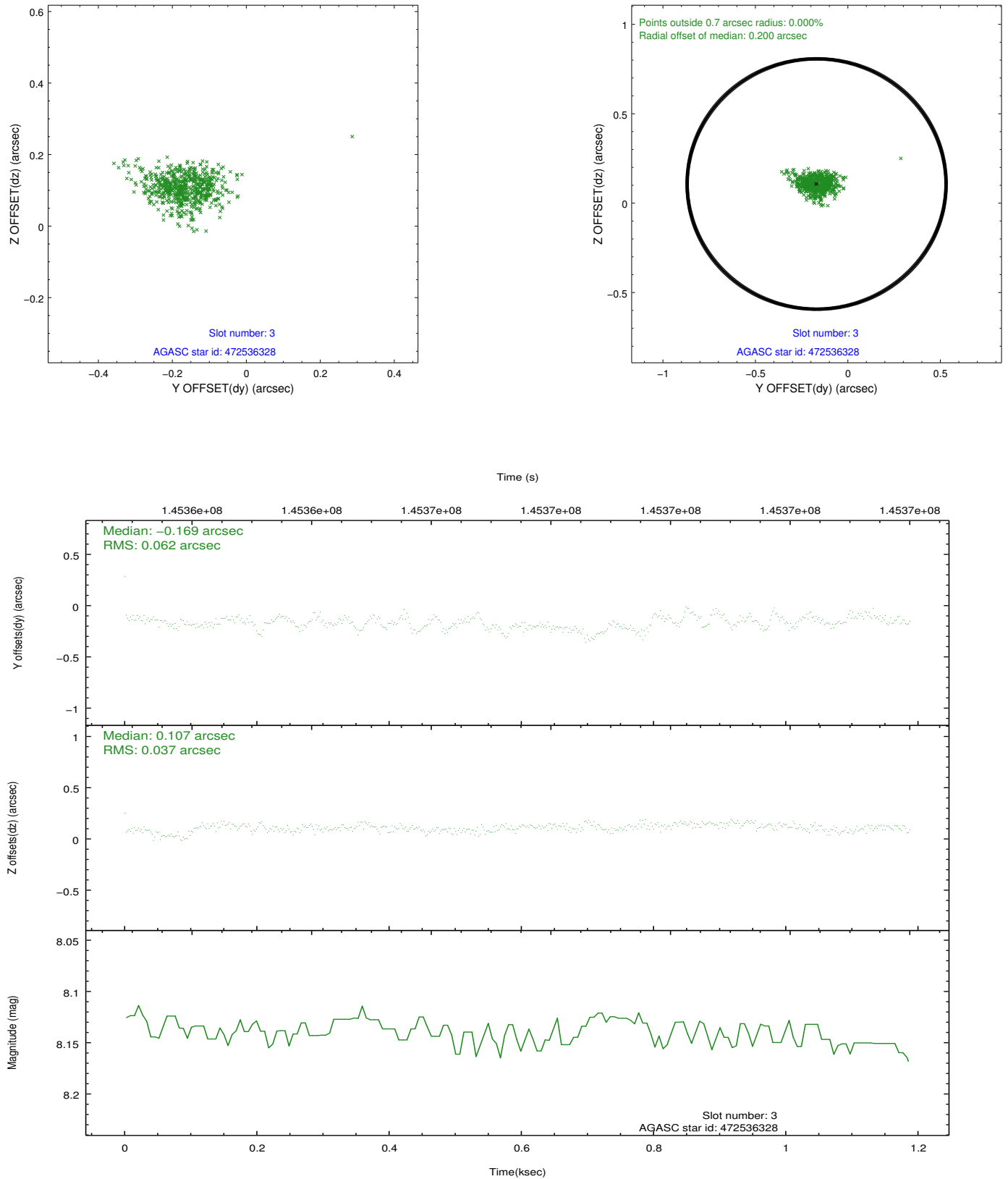


Slot Statistics

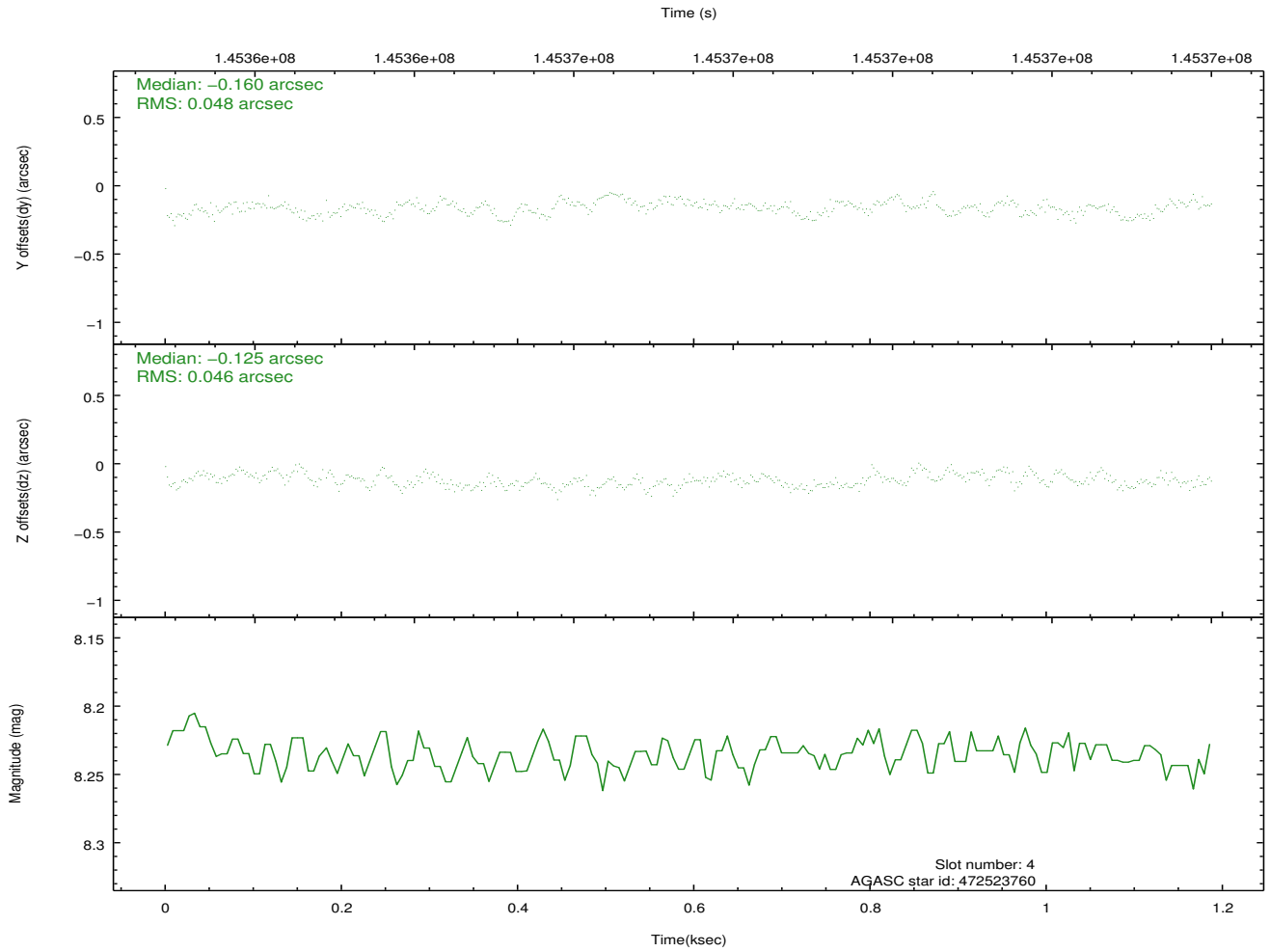
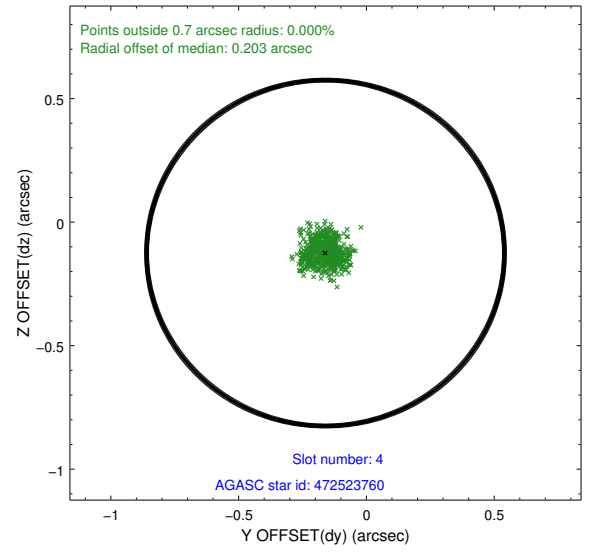
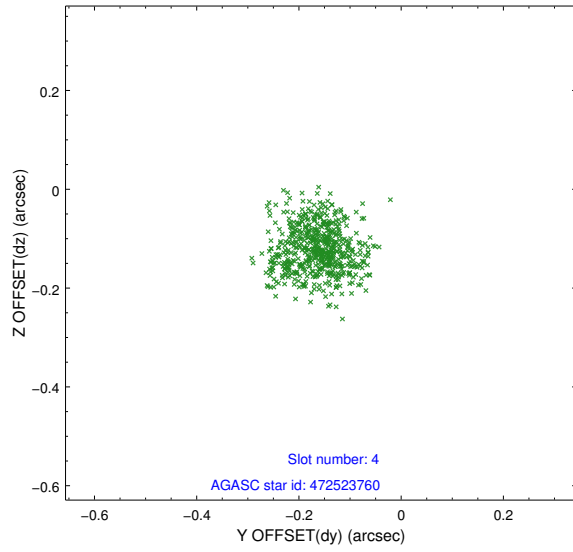
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	290	0.158	-0.159	0.006	0.011	0.000000	0.000000	-1156.95	-454.10
1	FID	HRC-S-2	6.99	290	0.098	-0.099	0.006	0.010	0.000000	0.000000	1238.68	-448.27
2	FID	HRC-S-3	7.01	290	0.134	-0.045	0.007	0.011	0.000000	0.000000	-1155.42	574.00
3	GUIDE	472536328	8.14	580	-0.169	0.107	0.071	0.127	331.496671	46.454831	2040.26	-2070.25
4	GUIDE	472523760	8.24	579	-0.160	-0.125	0.073	0.112	331.645363	45.403260	852.68	1538.72
5	GUIDE	472665256	9.02	580	0.142	0.075	0.084	0.142	332.808125	46.195041	-1345.36	-1892.54
6	GUIDE	472527656	9.17	580	0.091	-0.047	0.102	0.216	331.004689	45.273362	2329.40	2345.48
7	GUIDE	472659832	9.45	579	0.092	-0.002	0.096	0.155	332.780399	46.098139	-1357.13	-1535.89

2.4 Star Slots

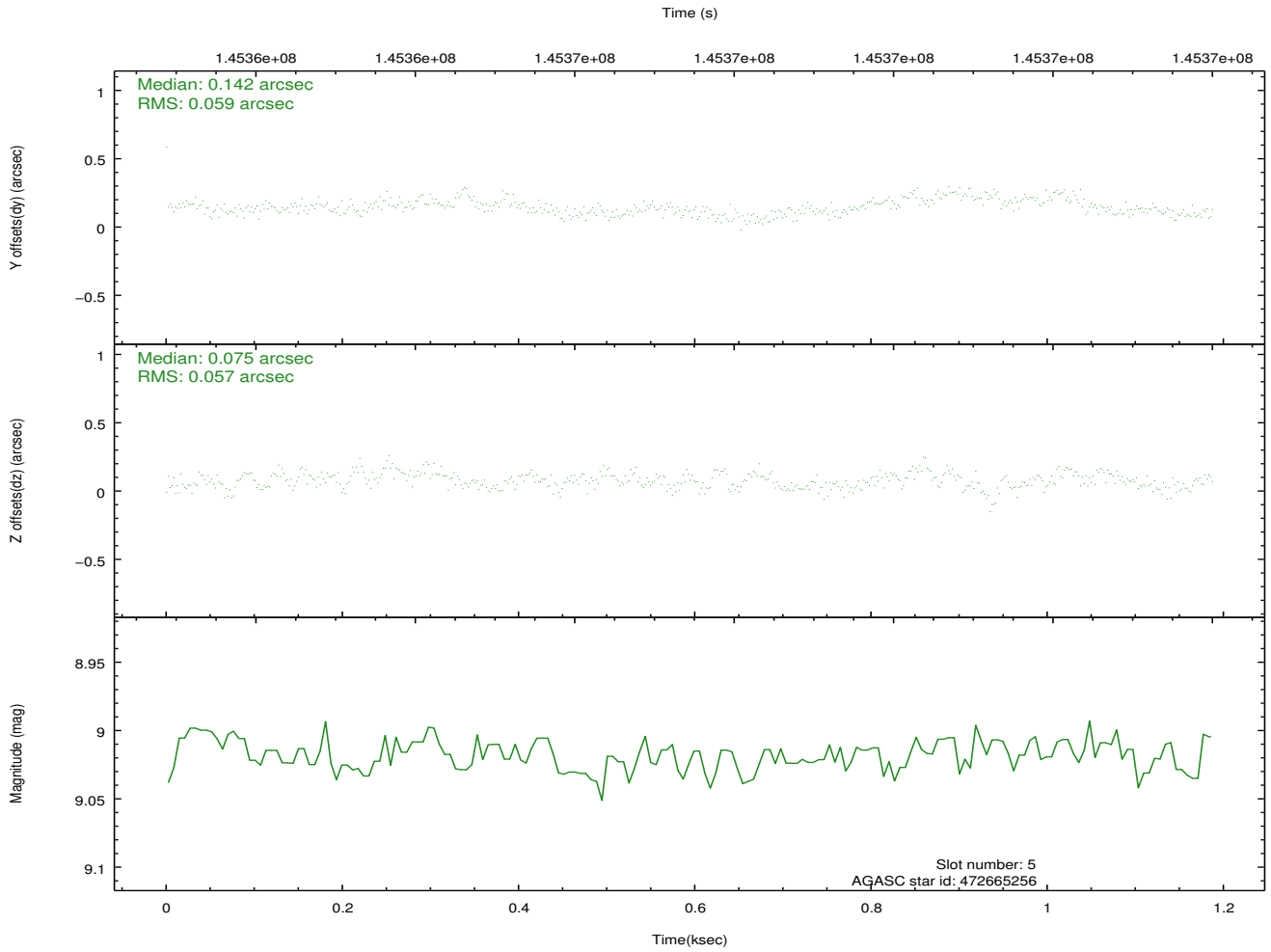
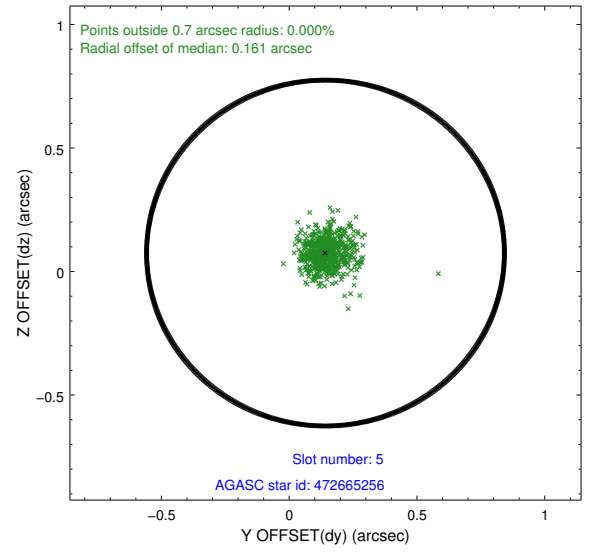
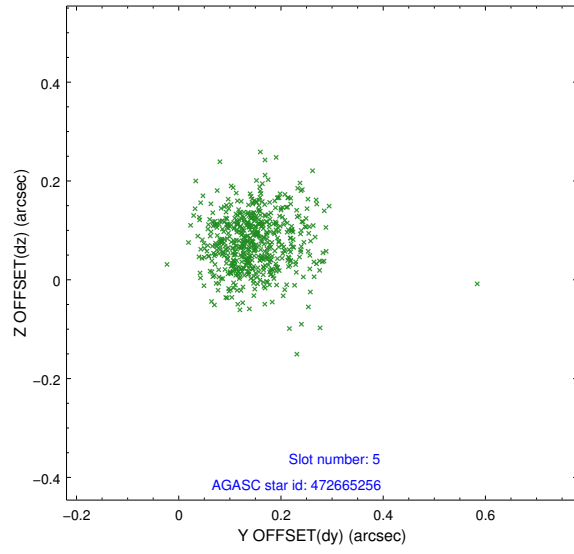
2.4.1 Slot 3



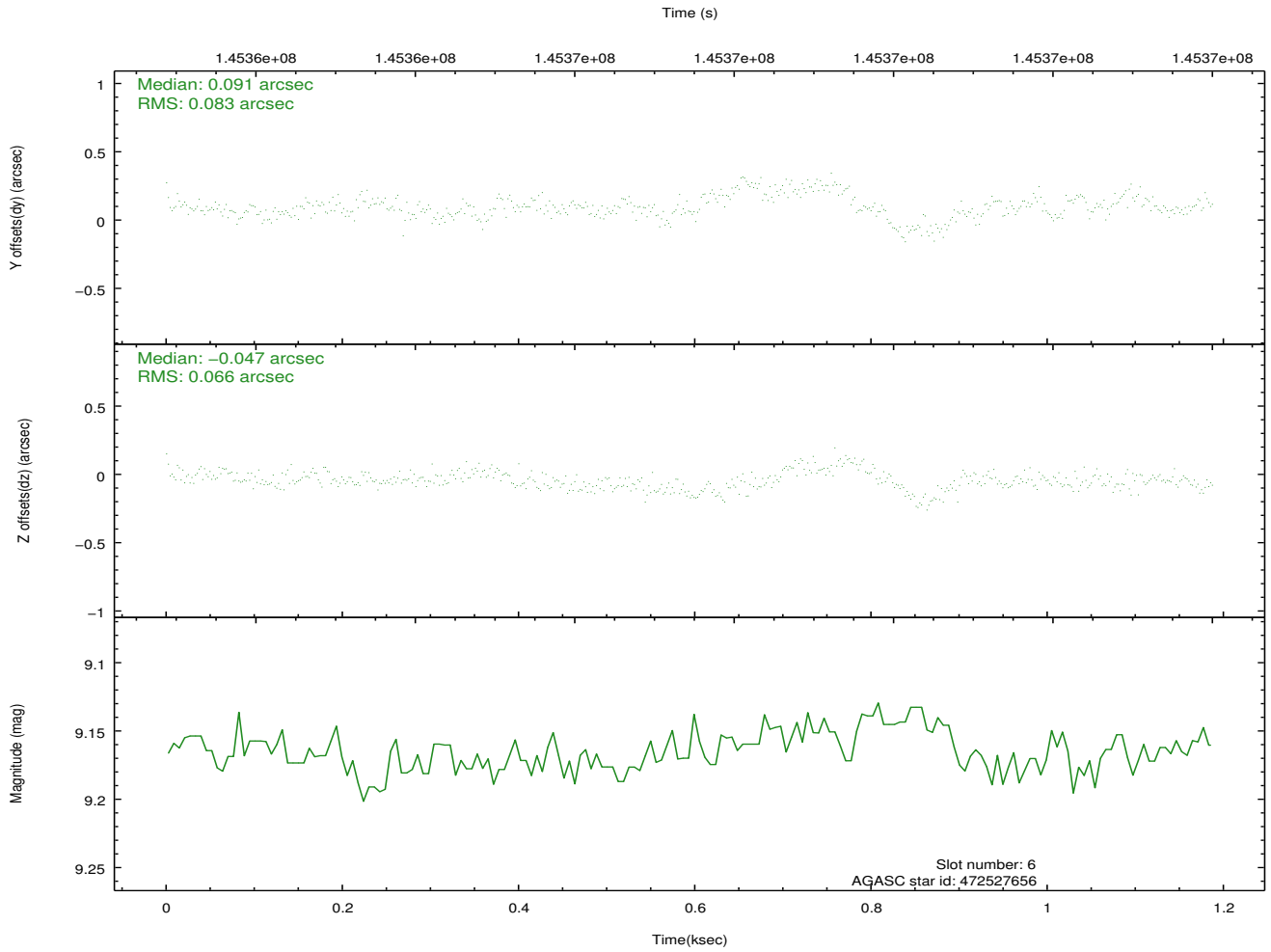
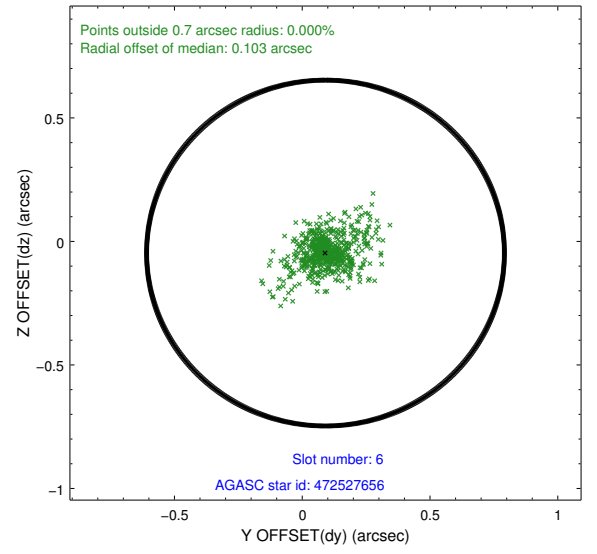
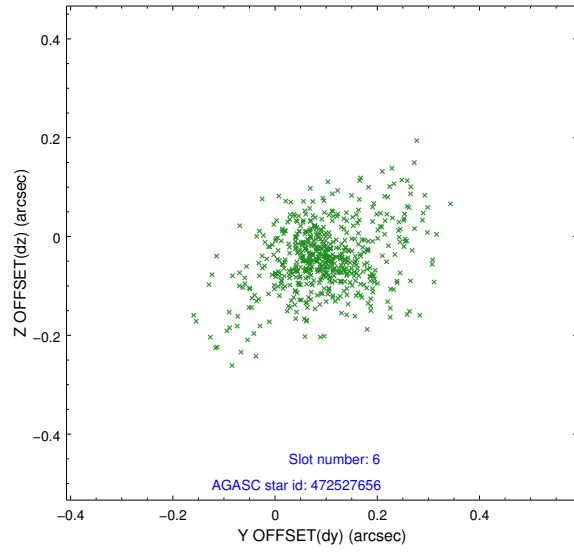
2.4.2 Slot 4



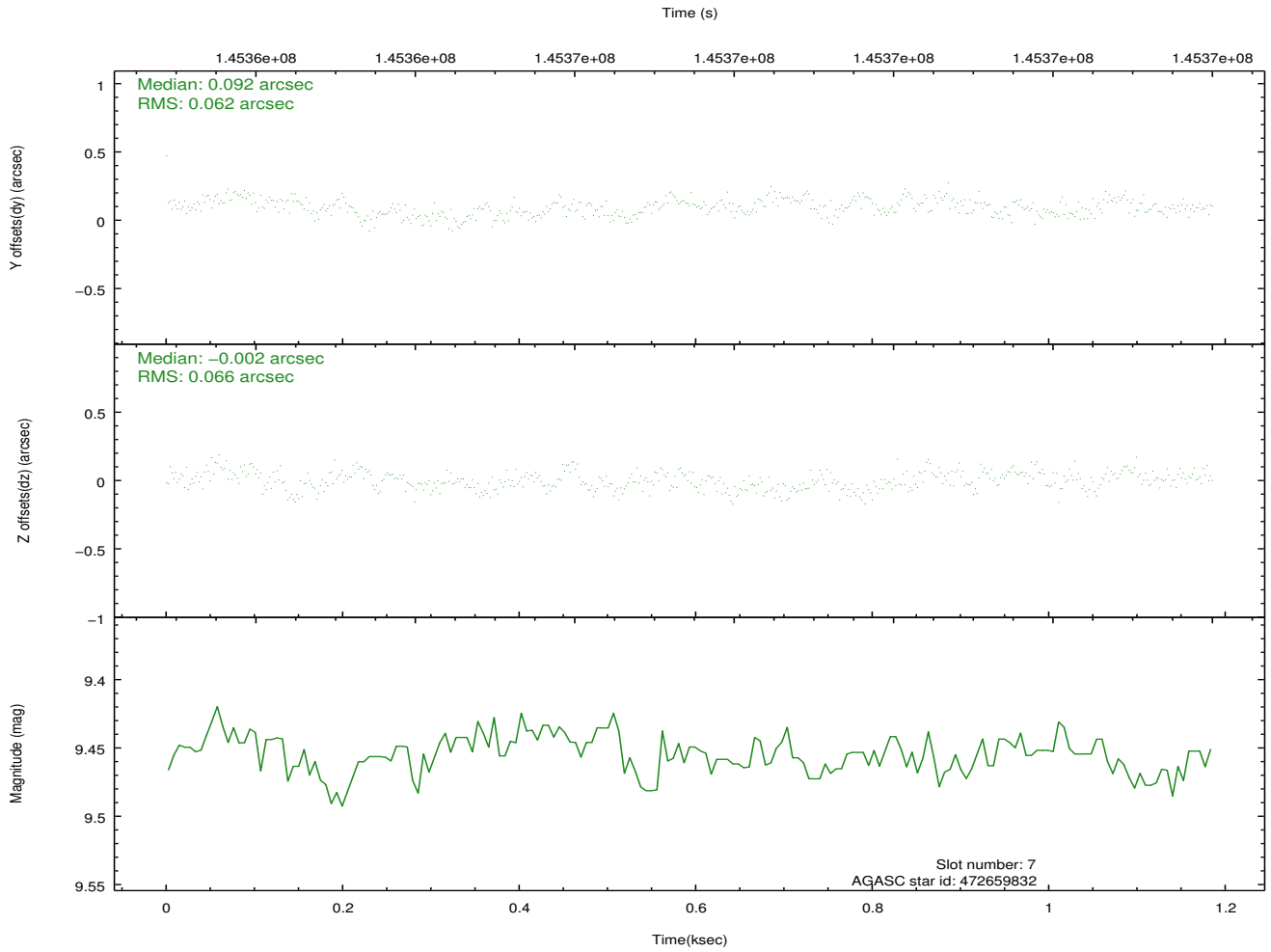
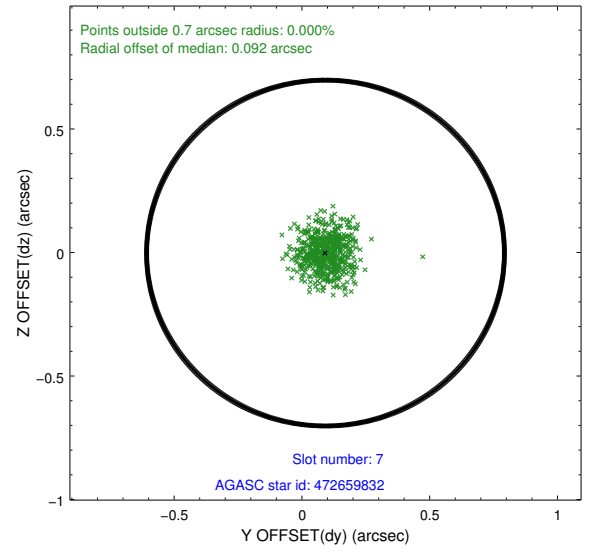
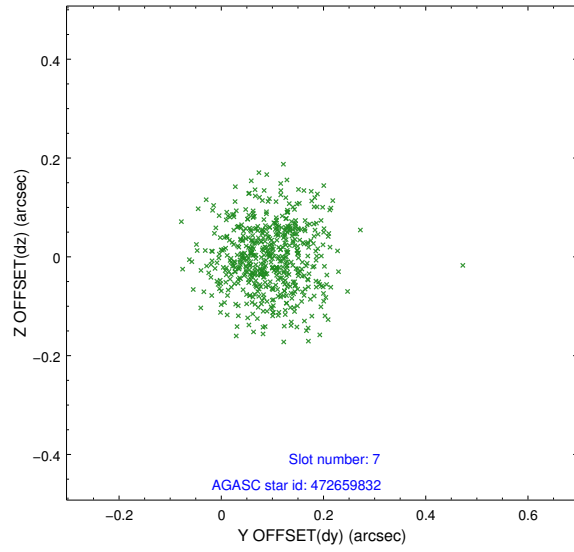
2.4.3 Slot 5



2.4.4 Slot 6

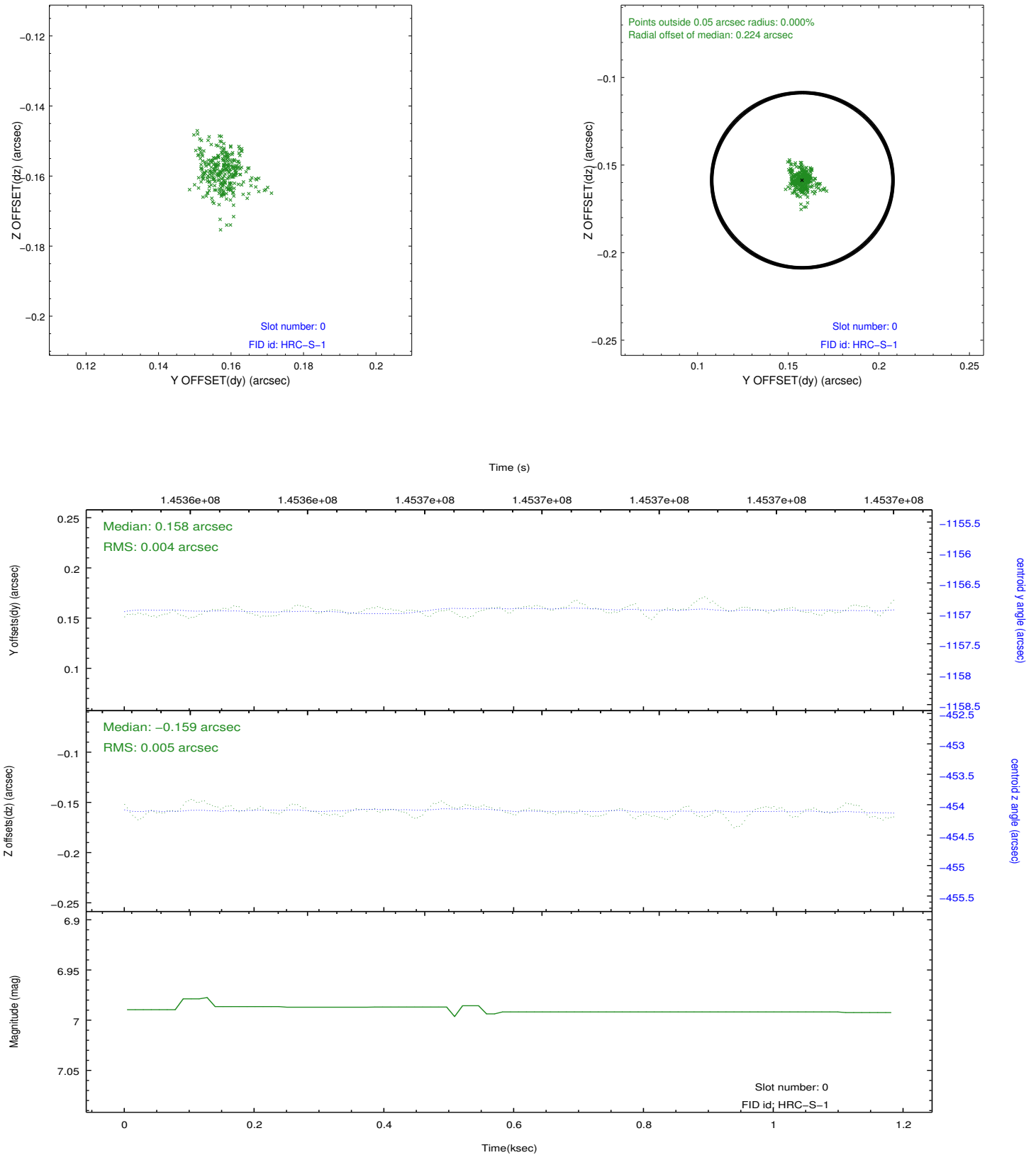


2.4.5 Slot 7

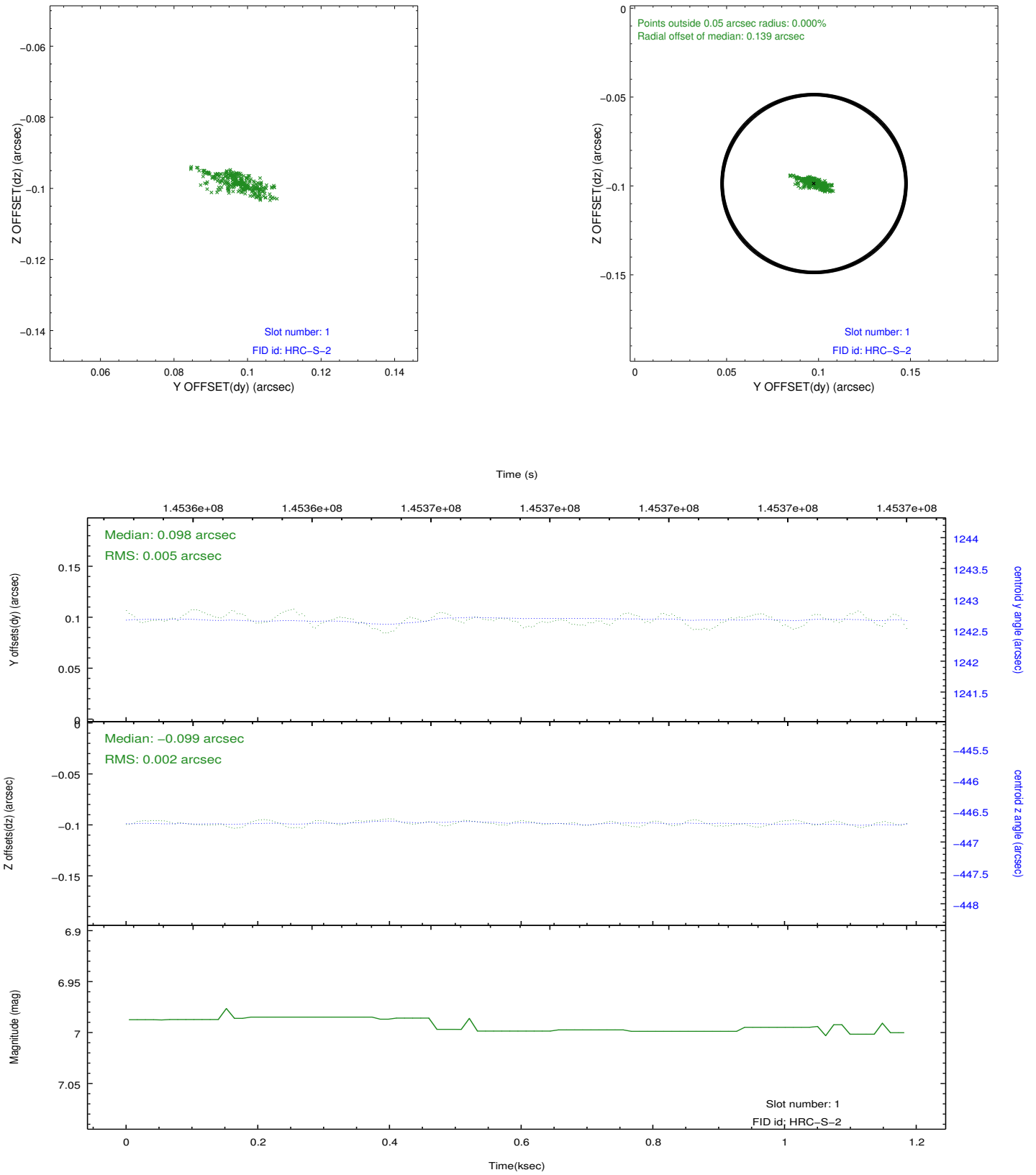


2.5 FID Slots

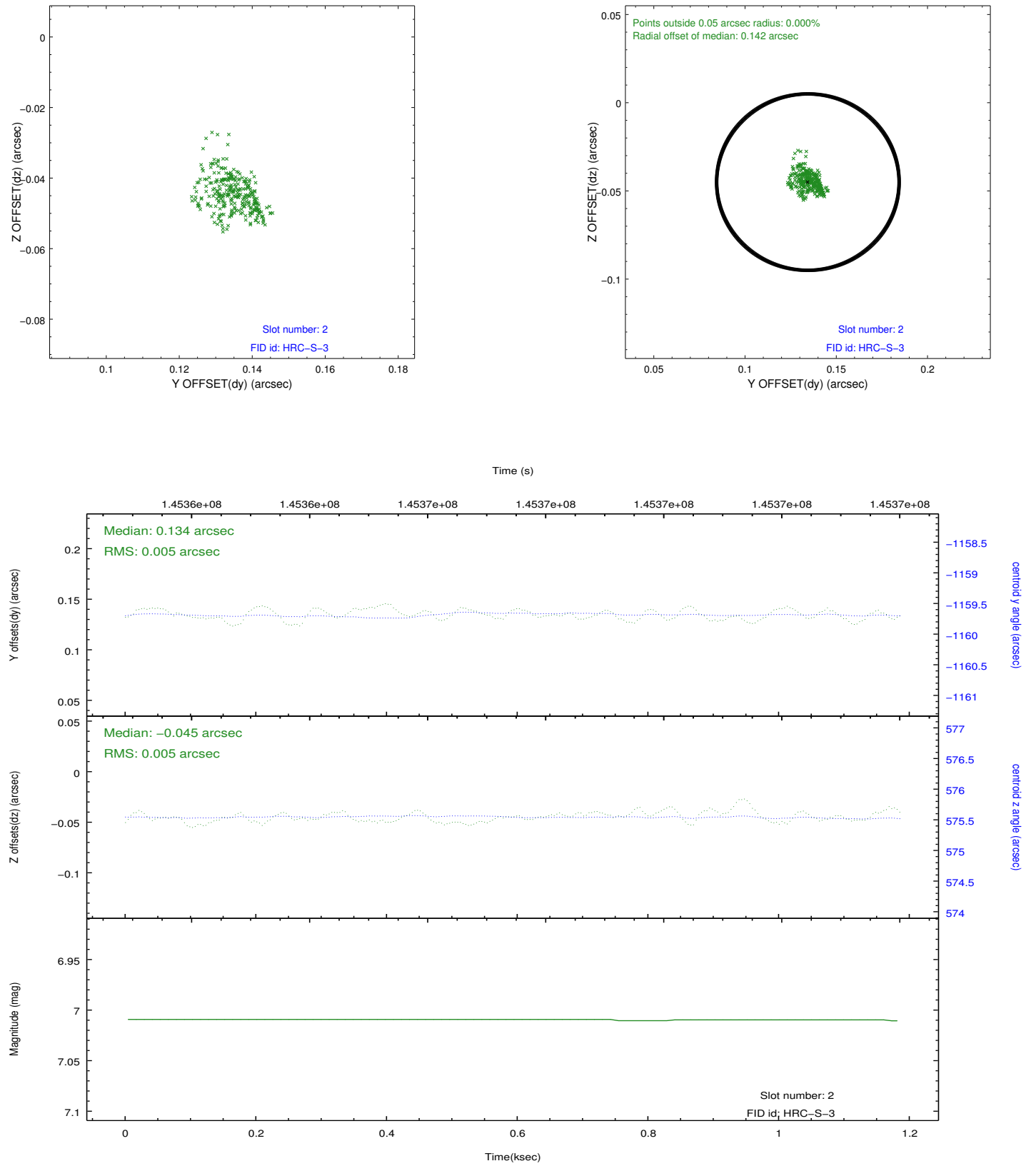
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.186

A.2 Comments

Charge time for this ObsId remains at previous value of 1.186 ks although with the current processing it would have been 1.14 ksec. Monitor constraint met.