

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2375 - L2 Version 5  
Chandra X-Ray Center

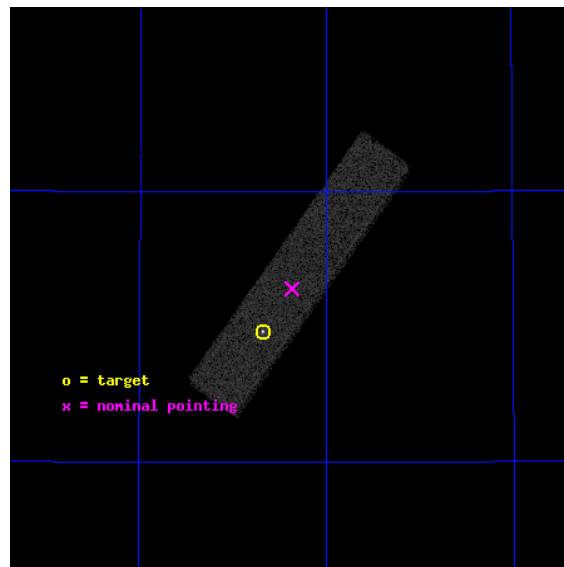
L2 Processing Date : Sep 4 2012

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# 1 Front

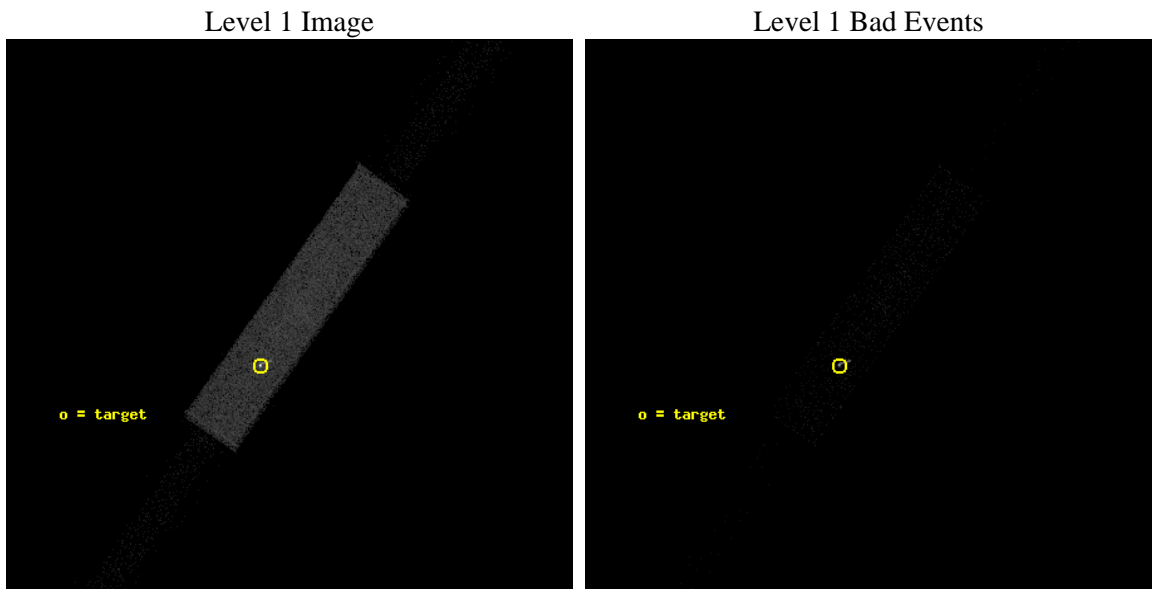
seq_num	290121	Sequence number
obs_id	2375	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0920619229	Nominal RA [deg]
dec_nom	45.820947325588	Nominal Dec [deg]
roll_nom	305.29467696047	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1142.1062937081	[s]
livetime	1136.6281241796	Ontime multiplied by DTCOR
l2events	37695	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	1142.1062937081	[s]
caldsver	4.5.1.1	&#160	l1events	63077	Number of level 1 events
date	2012-09-05T01:25:56	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

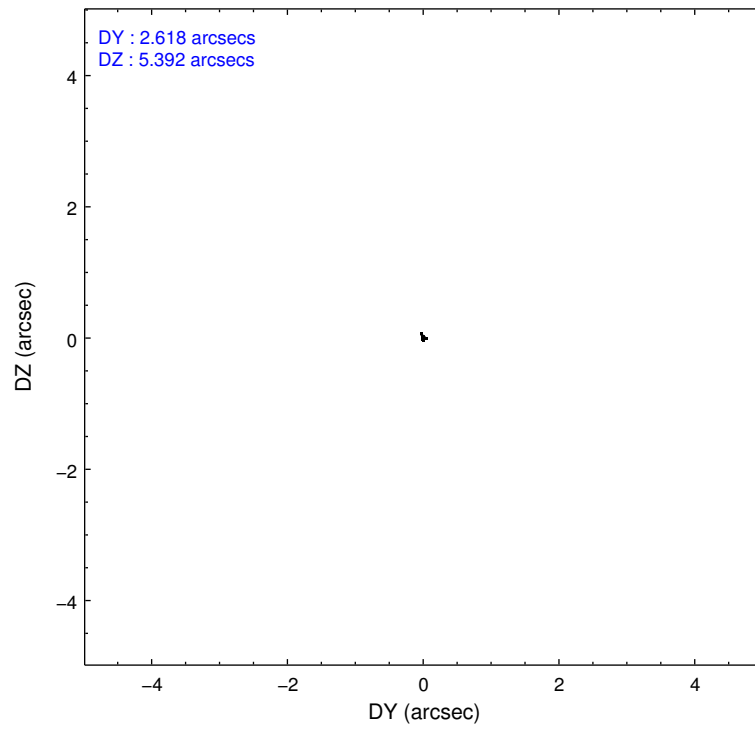
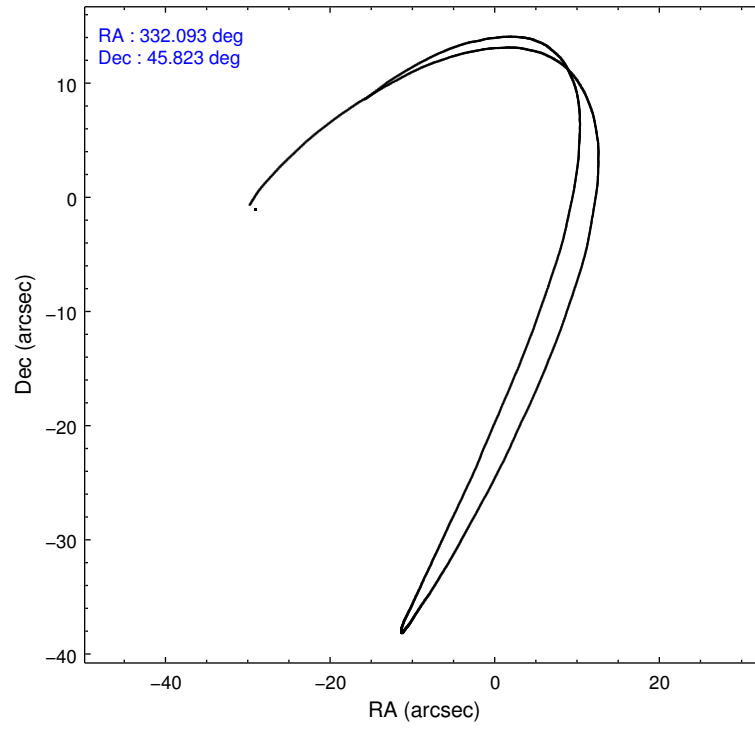
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	919	61220	938
rejected events	919	14364	938
rejected %	100%	23%	100%

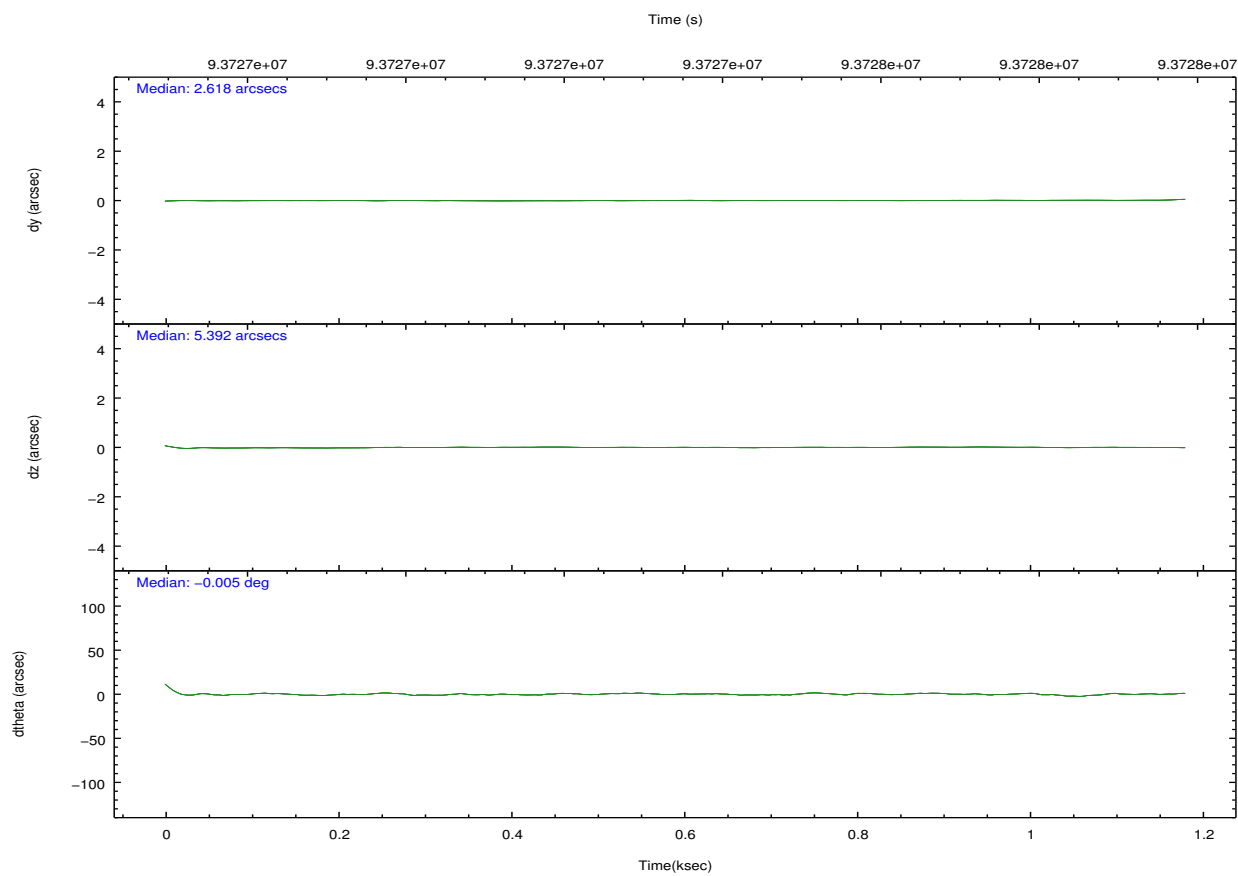
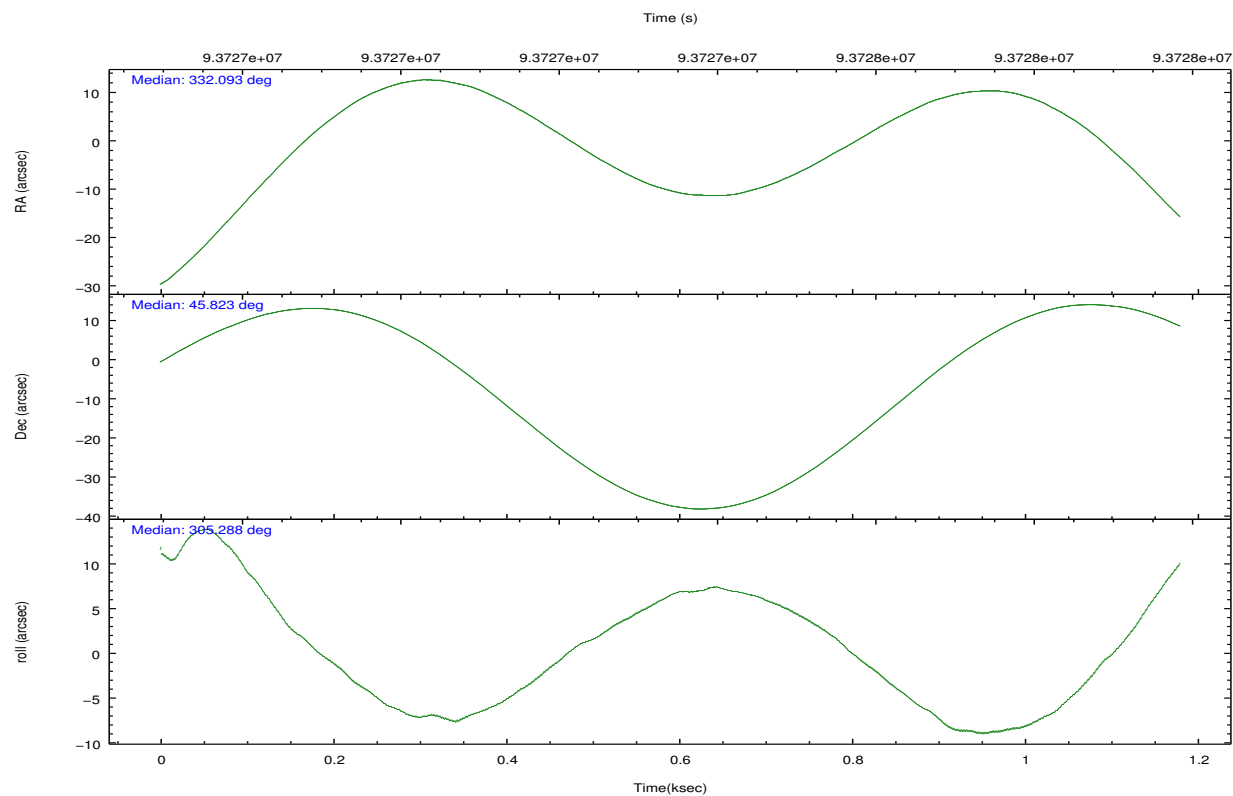
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.052969	332.0920619229026
[deg] Pointing Dec	45.830762	45.82094732558782
[deg] Pointing Roll	305.255429	305.2946769604727
[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)	93726932.184000	93726555.71422
Observation start date	2000-12-20T19:14:28	2000-12-20T19:09:15
[s] Observation end time (MET)	93727932.184000	93728065.539278
Observation end date	2000-12-20T19:31:08	2000-12-20T19:34:25

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





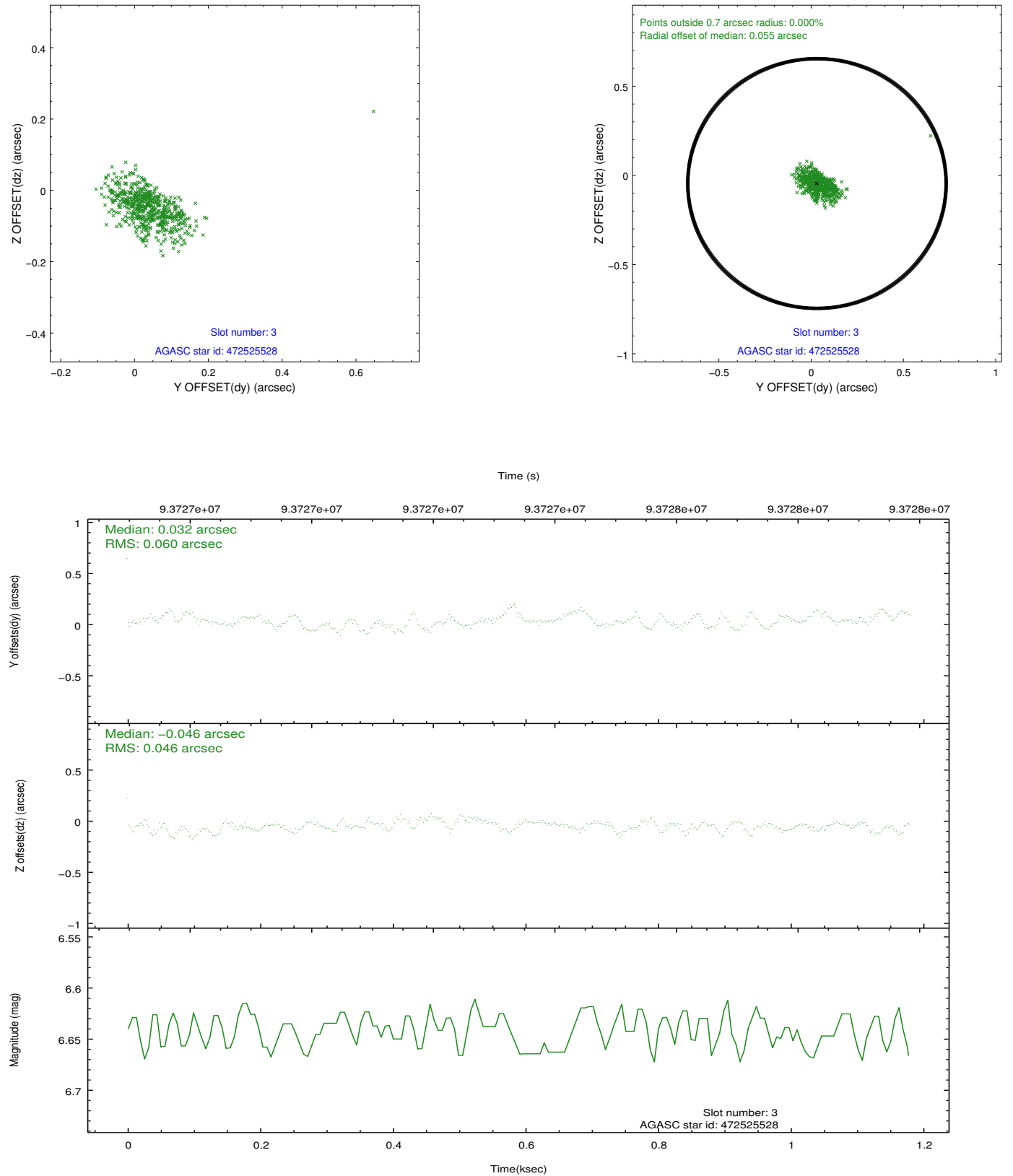
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	288	0.109	-0.162	0.005	0.009	0.000000	0.000000	-1156.67	-453.96
1	FID	HRC-S-3	6.99	288	0.155	-0.044	0.007	0.010	0.000000	0.000000	-1163.38	574.12
2	FID	HRC-S-4	6.93	288	0.124	-0.091	0.004	0.009	0.000000	0.000000	1237.54	580.25
3	GUIDE	472525528	6.64	577	0.032	-0.046	0.075	0.129	331.551102	45.248694	975.56	-2250.64
4	GUIDE	472535576	7.84	577	-0.138	0.042	0.049	0.080	331.438373	46.291802	-2239.45	-295.87
5	GUIDE	472523760	8.23	577	-0.030	-0.201	0.064	0.095	331.645363	45.403260	657.79	-1733.54
6	GUIDE	472659832	9.47	577	-0.061	-0.010	0.100	0.163	332.780399	46.098139	257.82	2035.49
7	GUIDE	472646552	9.63	574	0.194	0.212	0.124	0.200	333.120915	45.571877	2301.79	1669.40

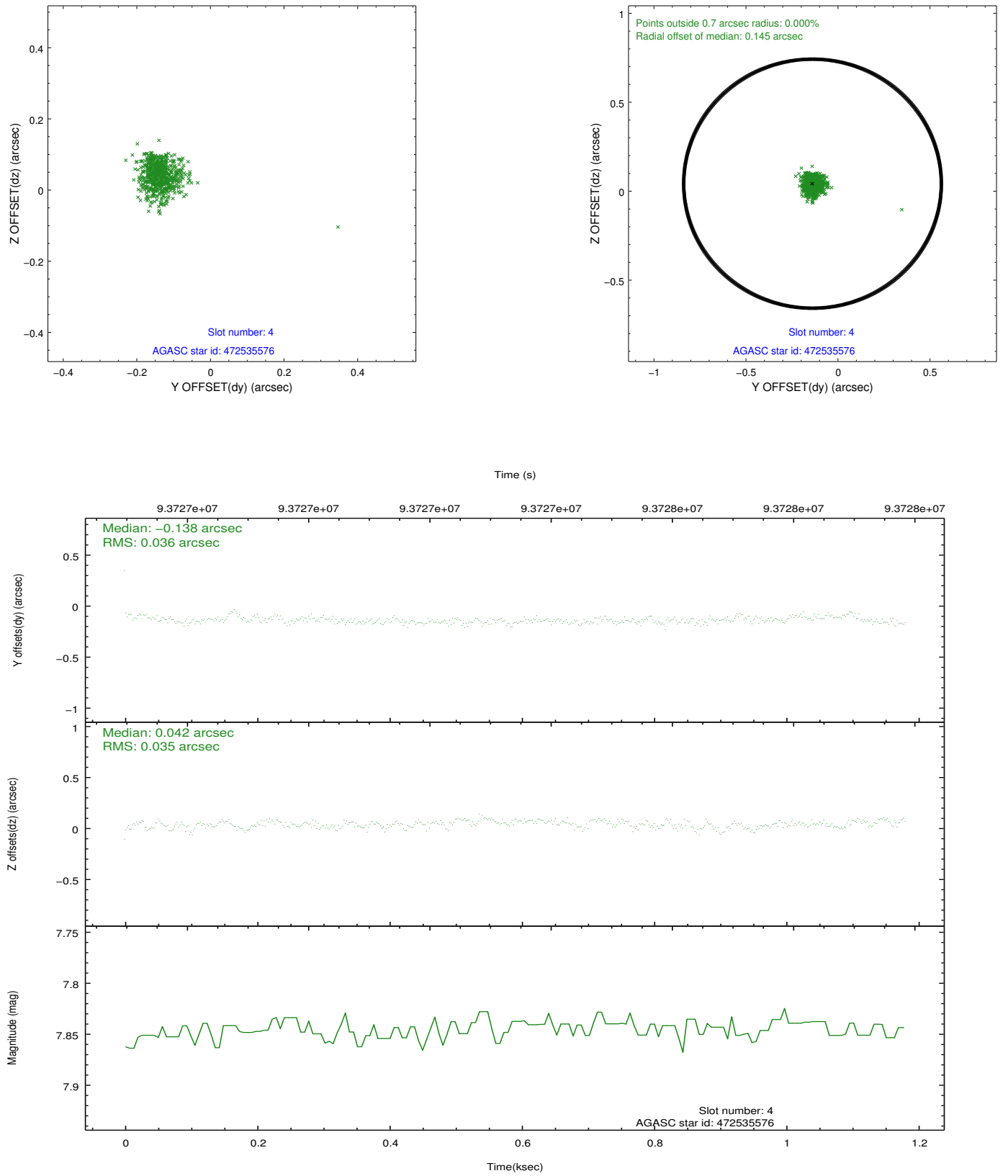


## 2.4 Star Slots

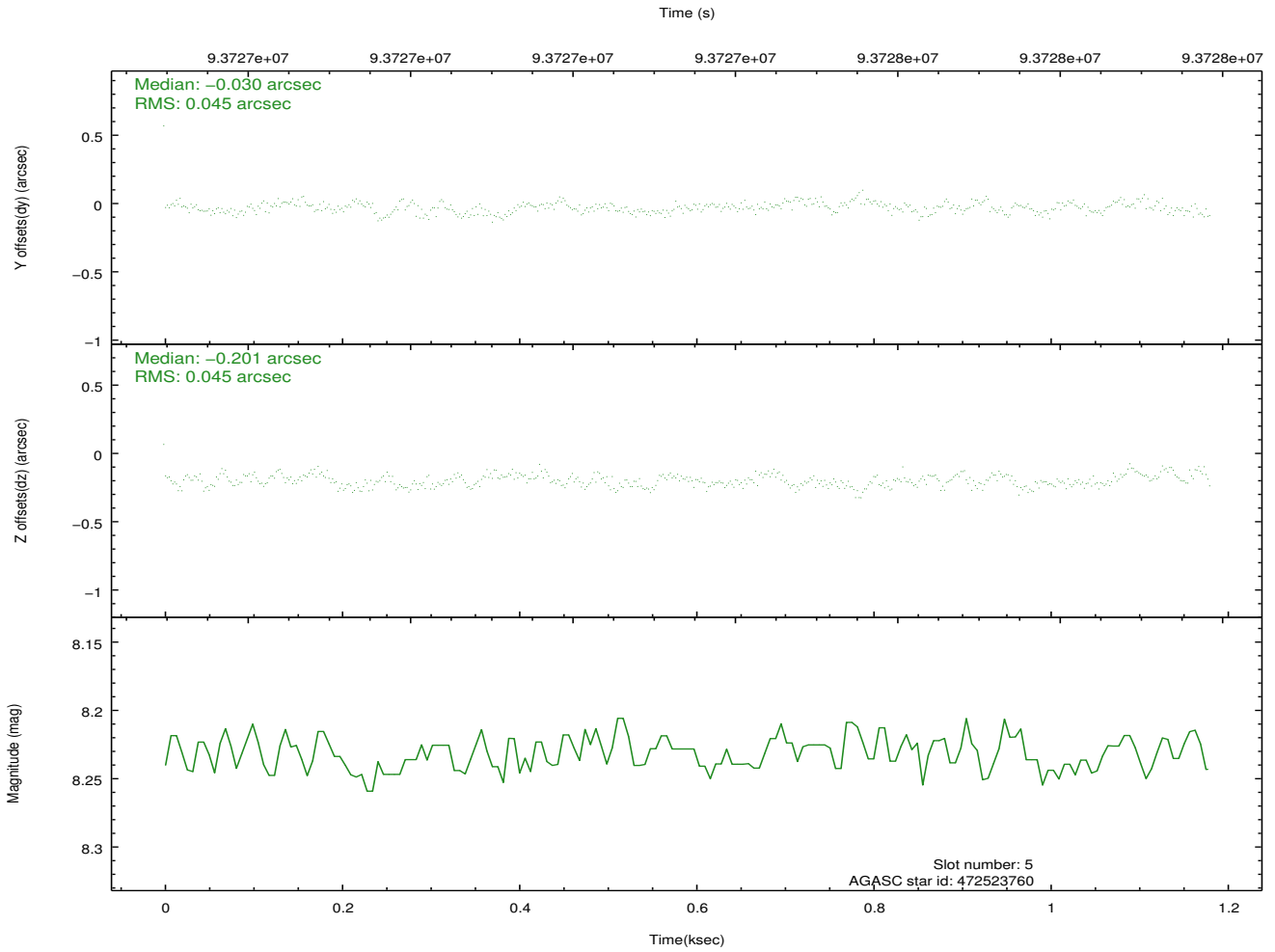
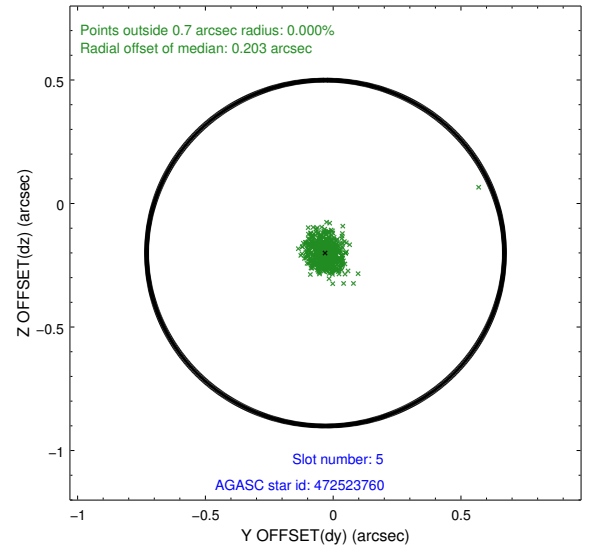
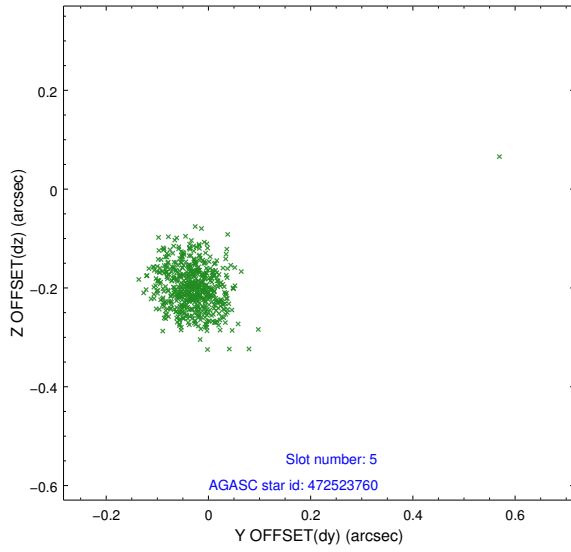
### 2.4.1 Slot 3



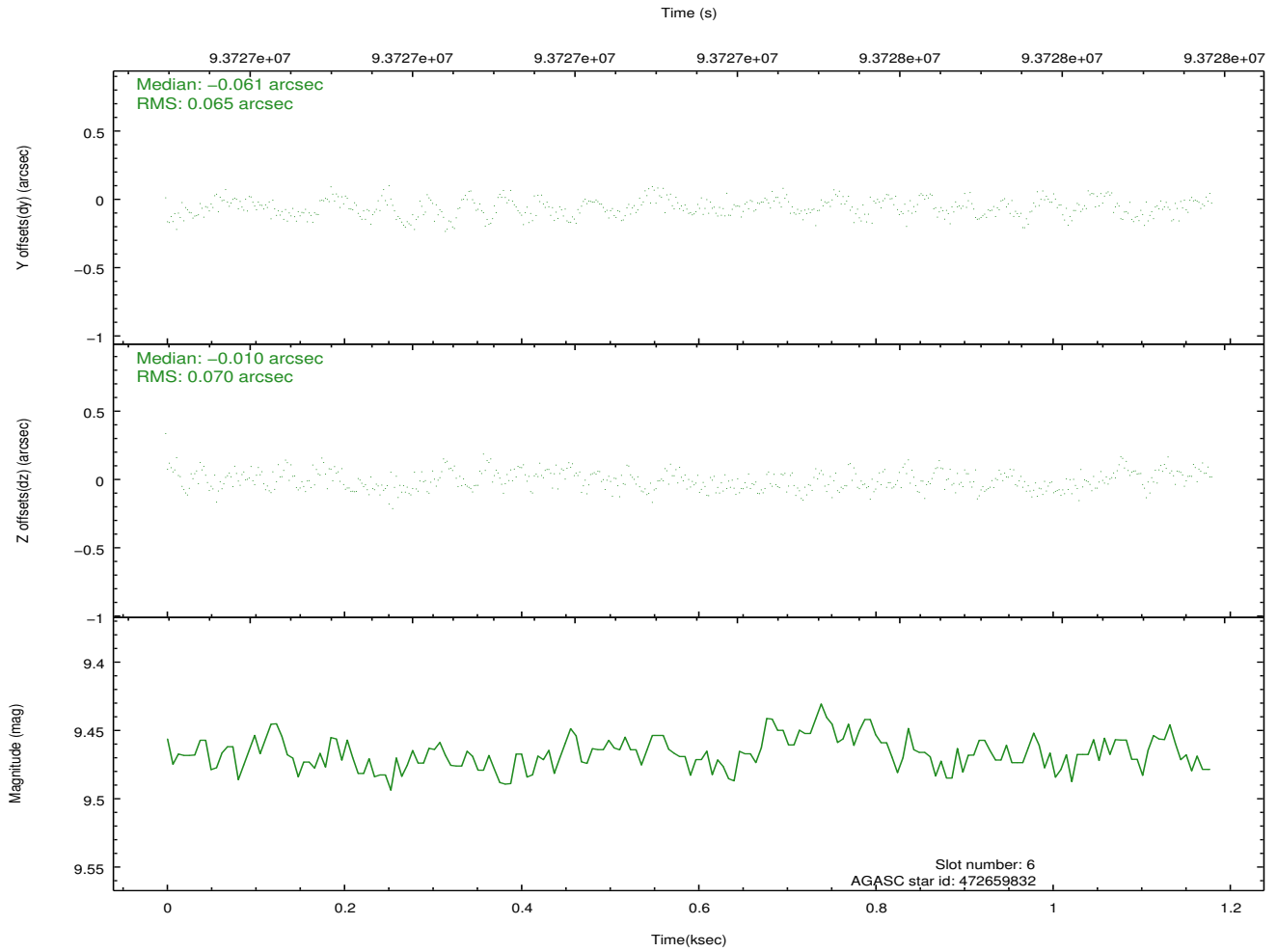
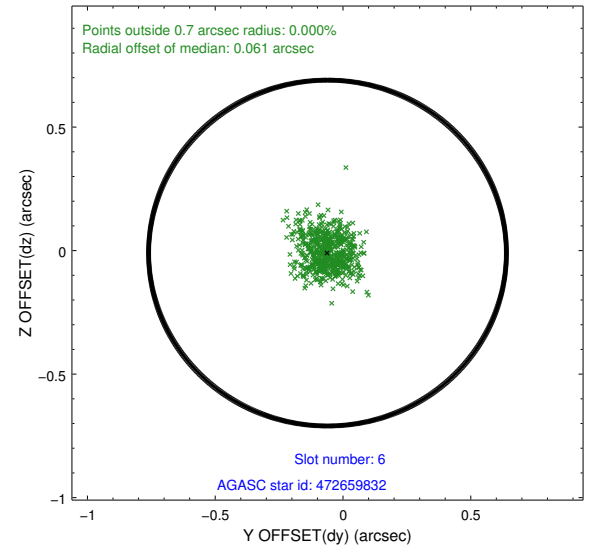
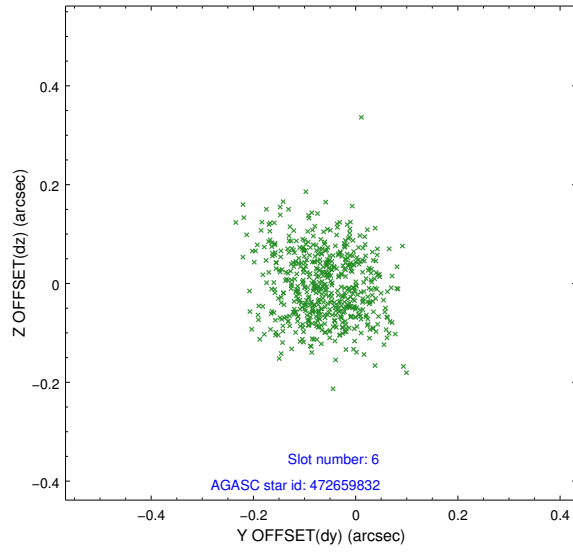
## 2.4.2 Slot 4



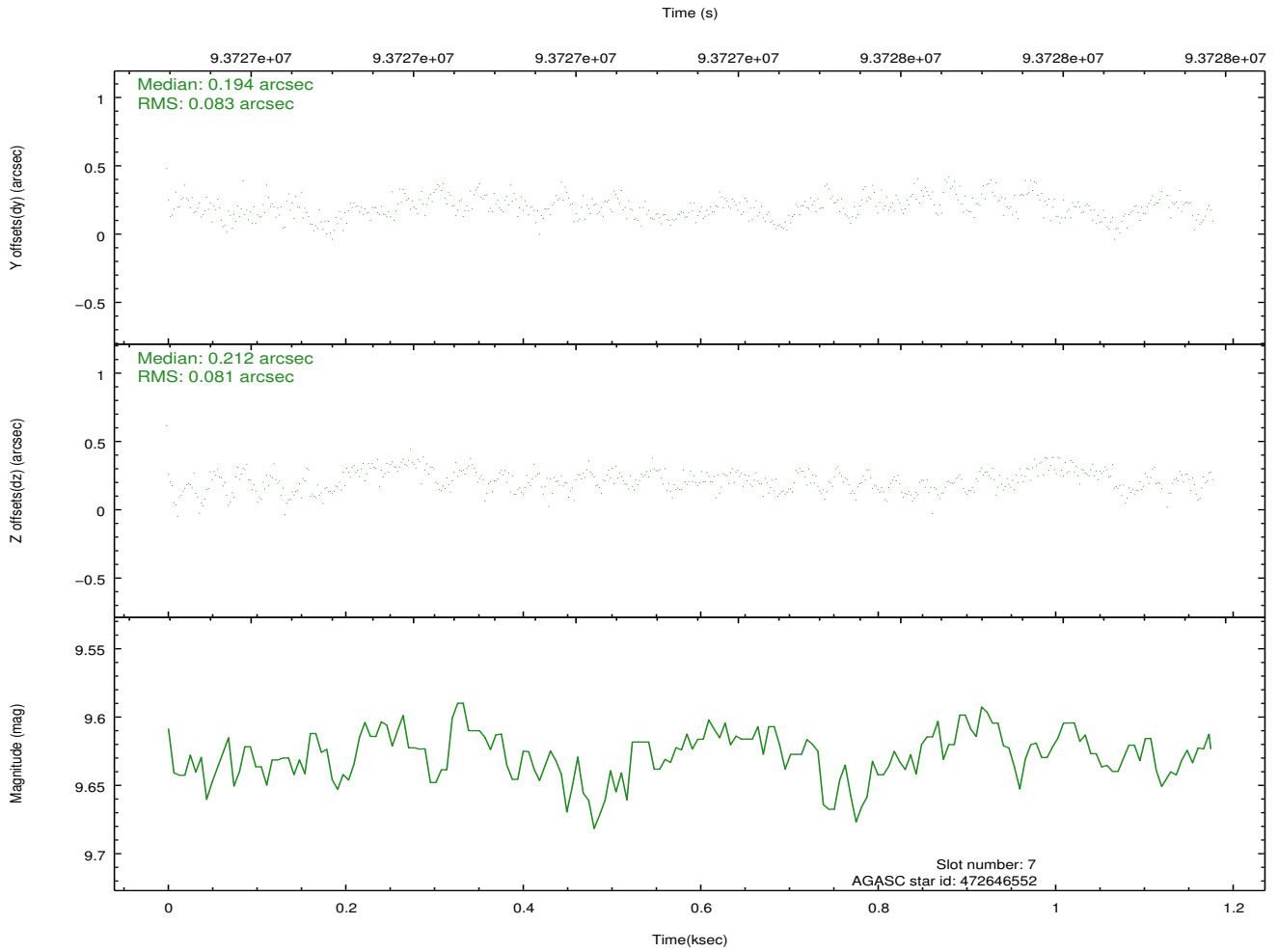
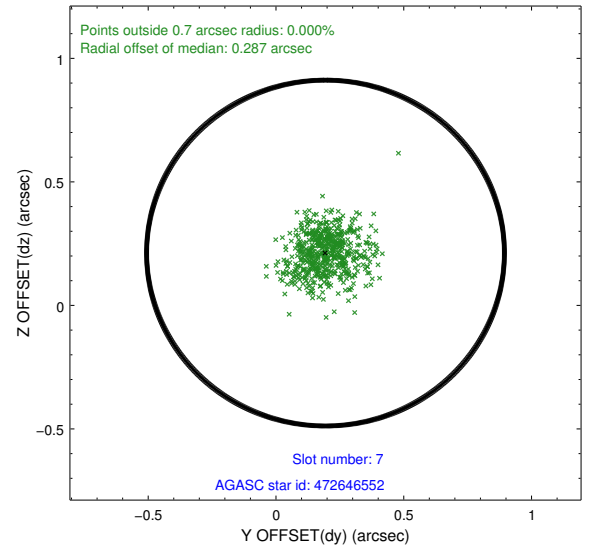
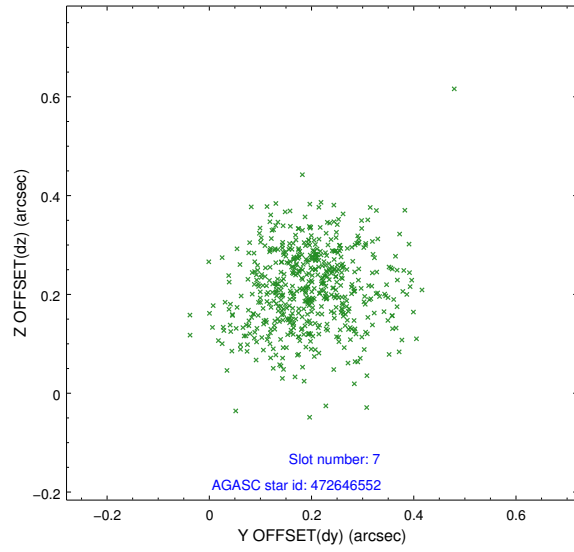
### 2.4.3 Slot 5



## 2.4.4 Slot 6

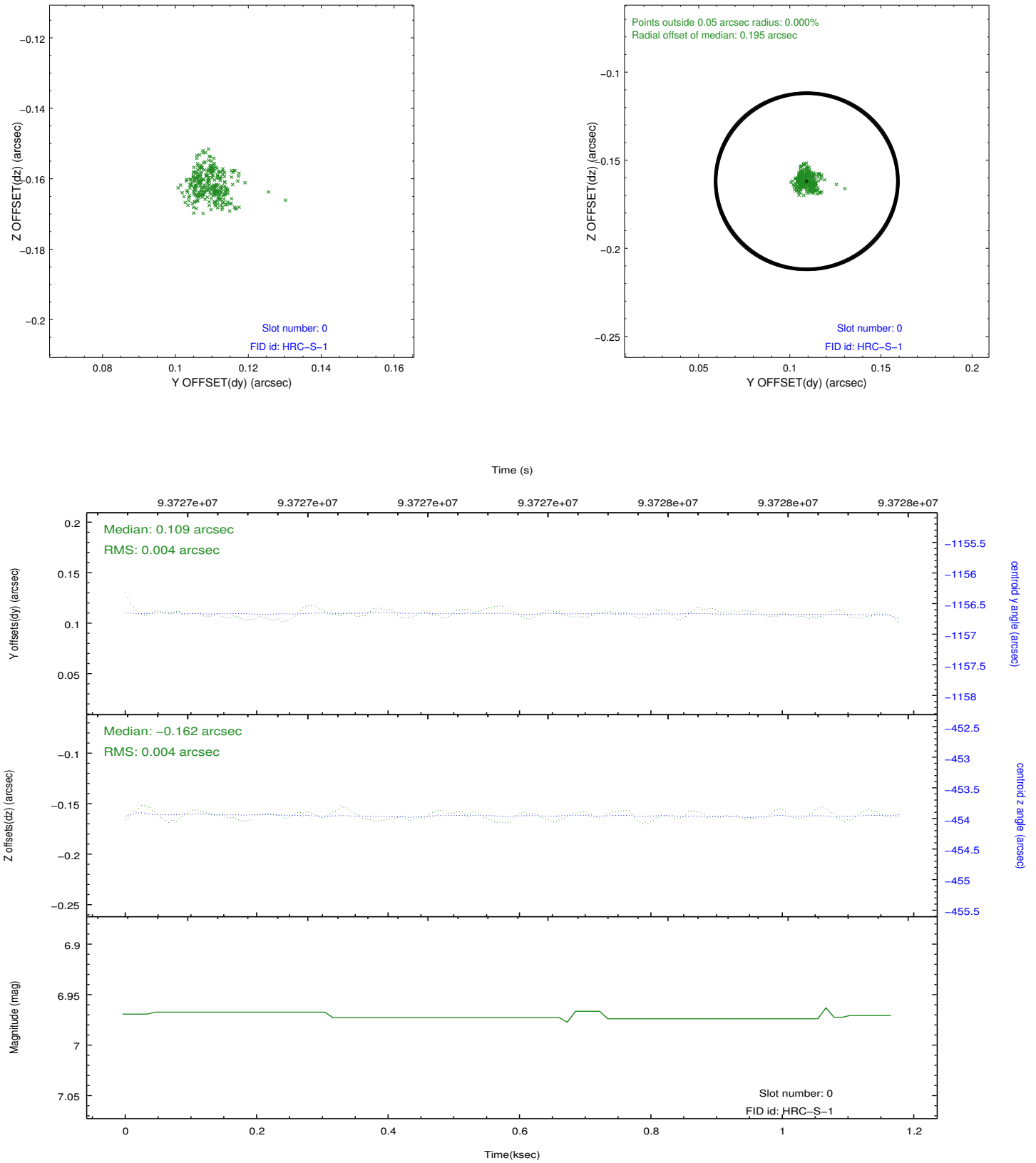


## 2.4.5 Slot 7

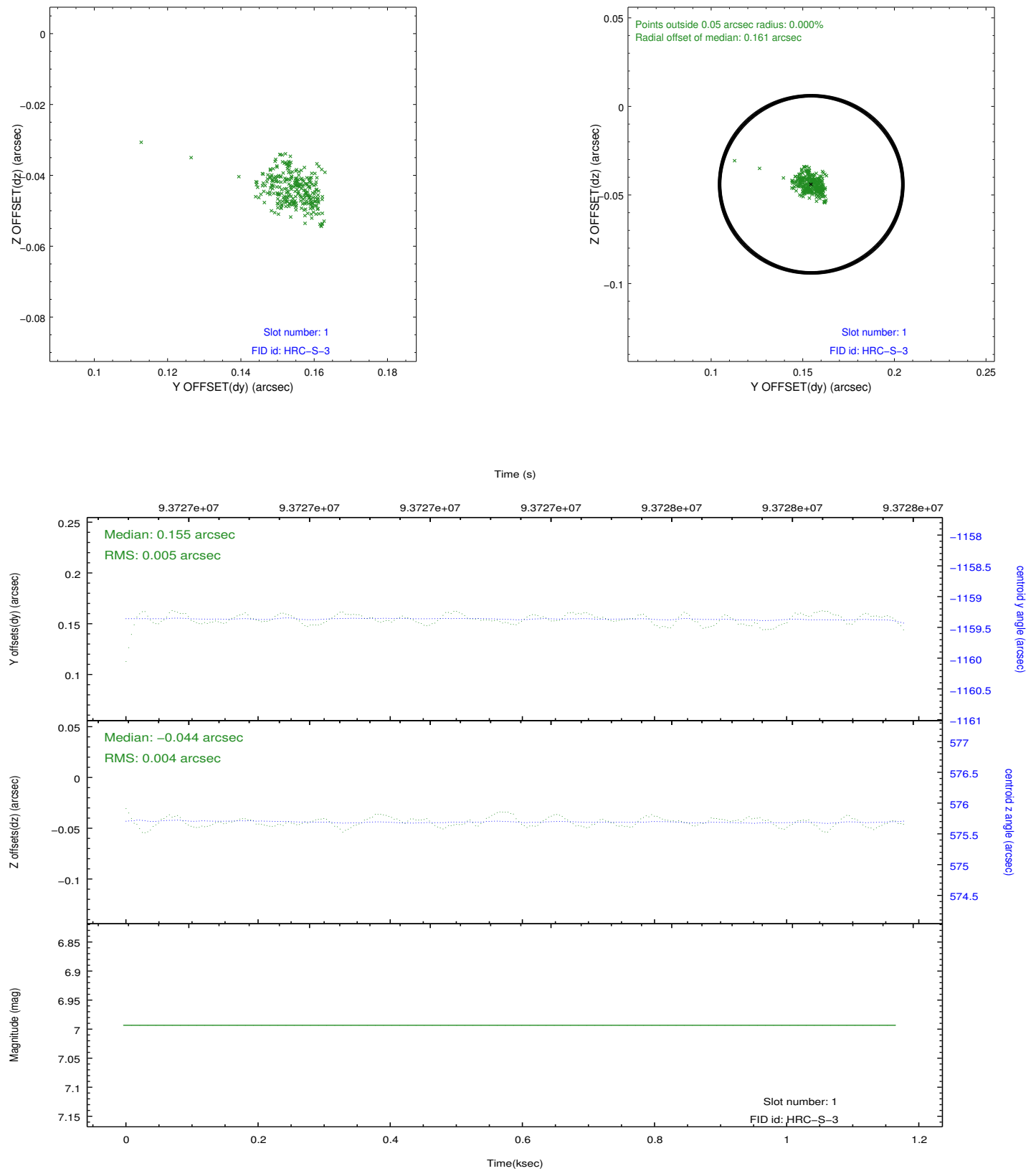


## 2.5 FID Slots

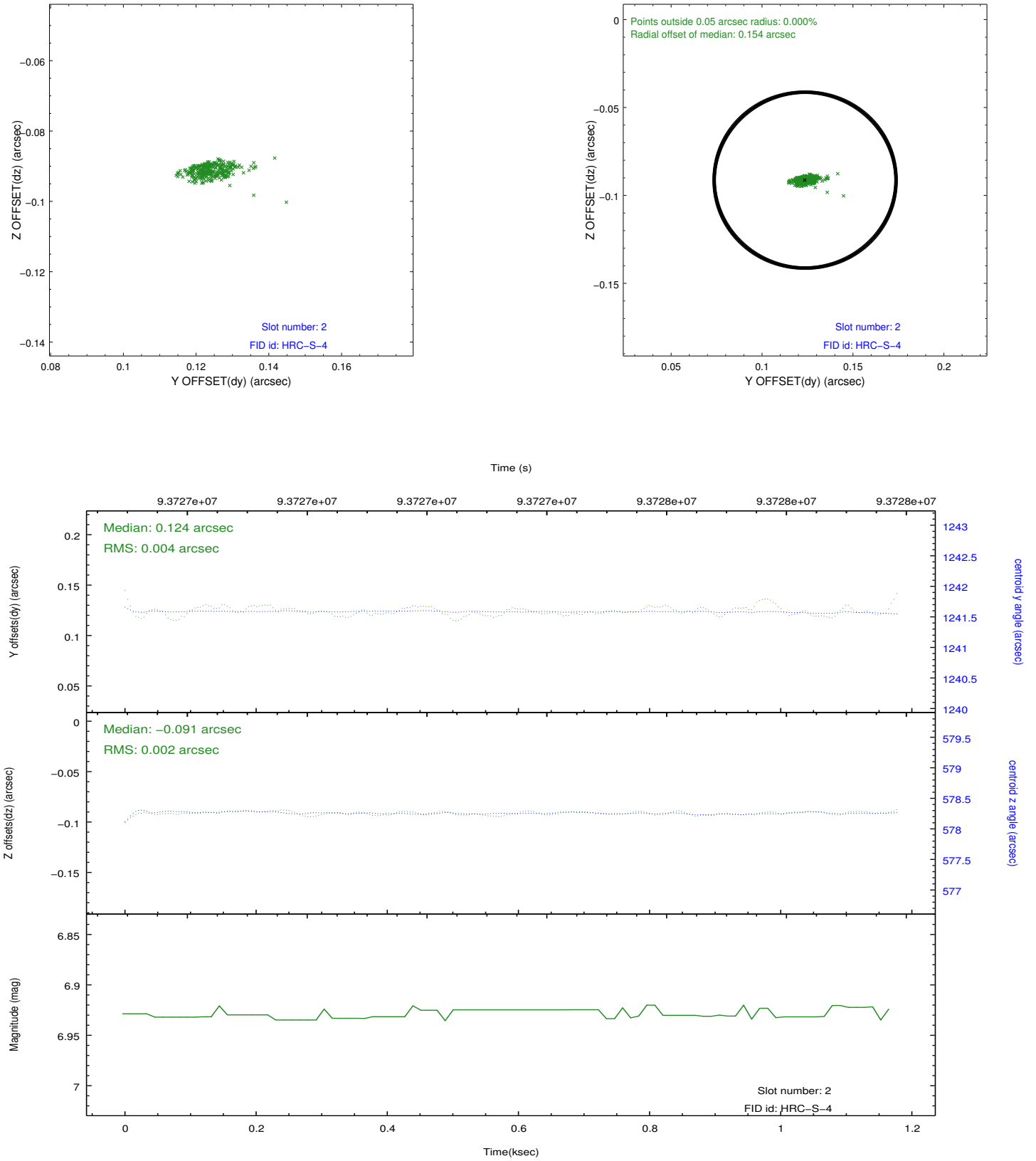
### 2.5.1 Slot 0



## 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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.173

### A.2 Comments

Charge time for this ObsId remains at previous value of 1.173 ks, although with the current processing the charge time would have been 1.14 ksec.