

# V&V Reference Report

## L2 ASCDS Version : 8.3.2.1

Observation 1341 - L2 Version 5

Chandra X-Ray Center

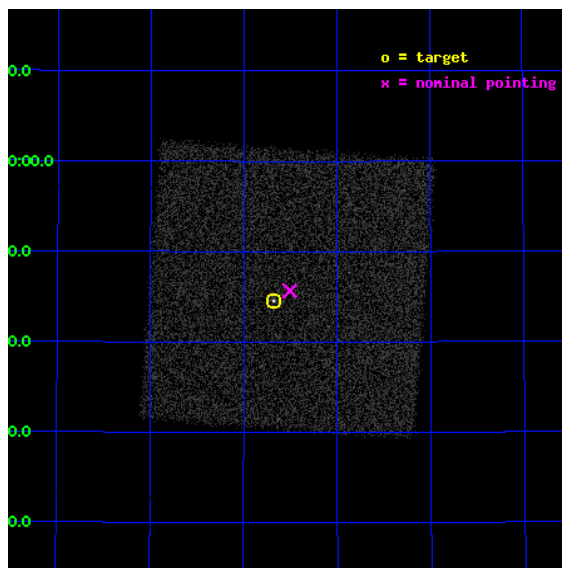
L2 Processing Date : Sep 28 2010

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# 1 Front

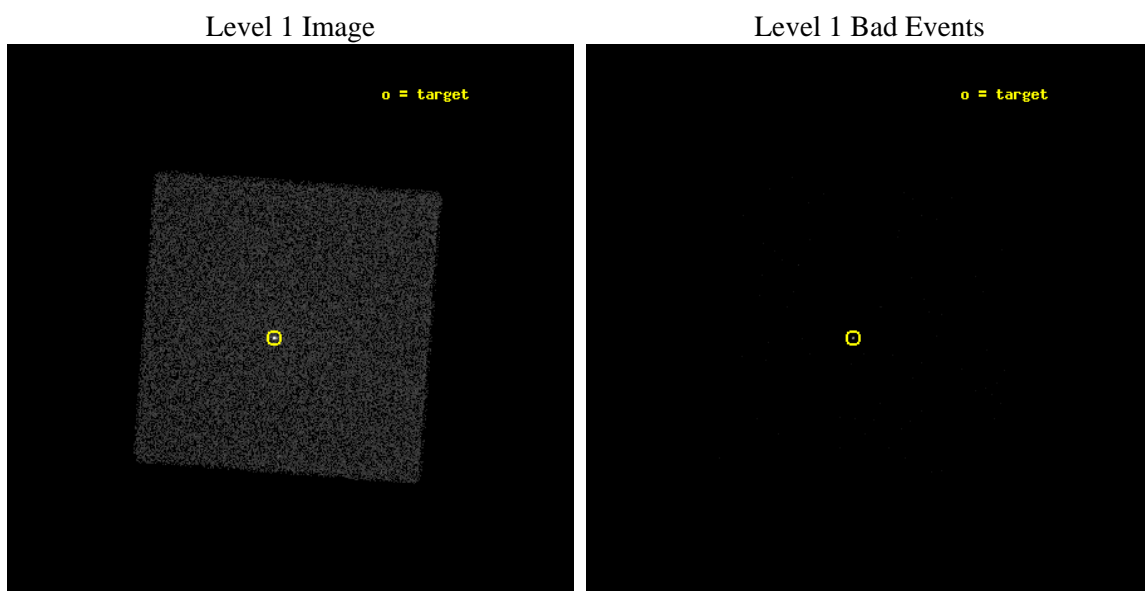
seq_num	280291	Sequence number
obs_id	1341	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.12658518007	Nominal RA
dec_nom	45.761151484699	Nominal Dec
roll_nom	229.31397781306	Nominal Roll
revision	5	Processing version of data
ontime	1274.3312959224	[s]
livetime	1265.3243656208	Ontime multiplied by DTCOR
l2events	41897	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	Scheduled observation exposure time
ascdsver	8.3.2.1	Processing system revision	ontime	1274.3312959224	[s]
caldbver	4.3.1	&#160	l1events	69725	Number of level 1 events
date	2010-09-28T06:31:58	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

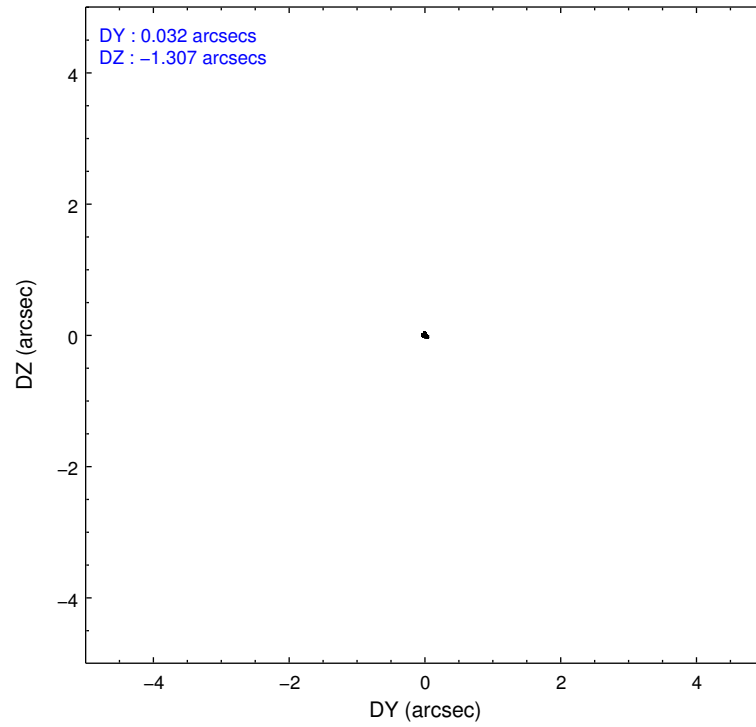
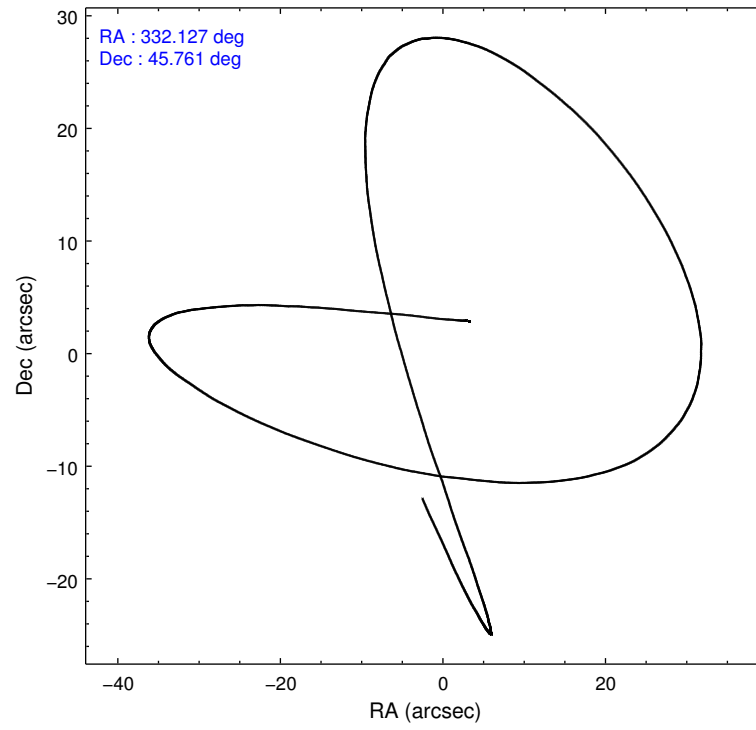
#### Level 1 Events

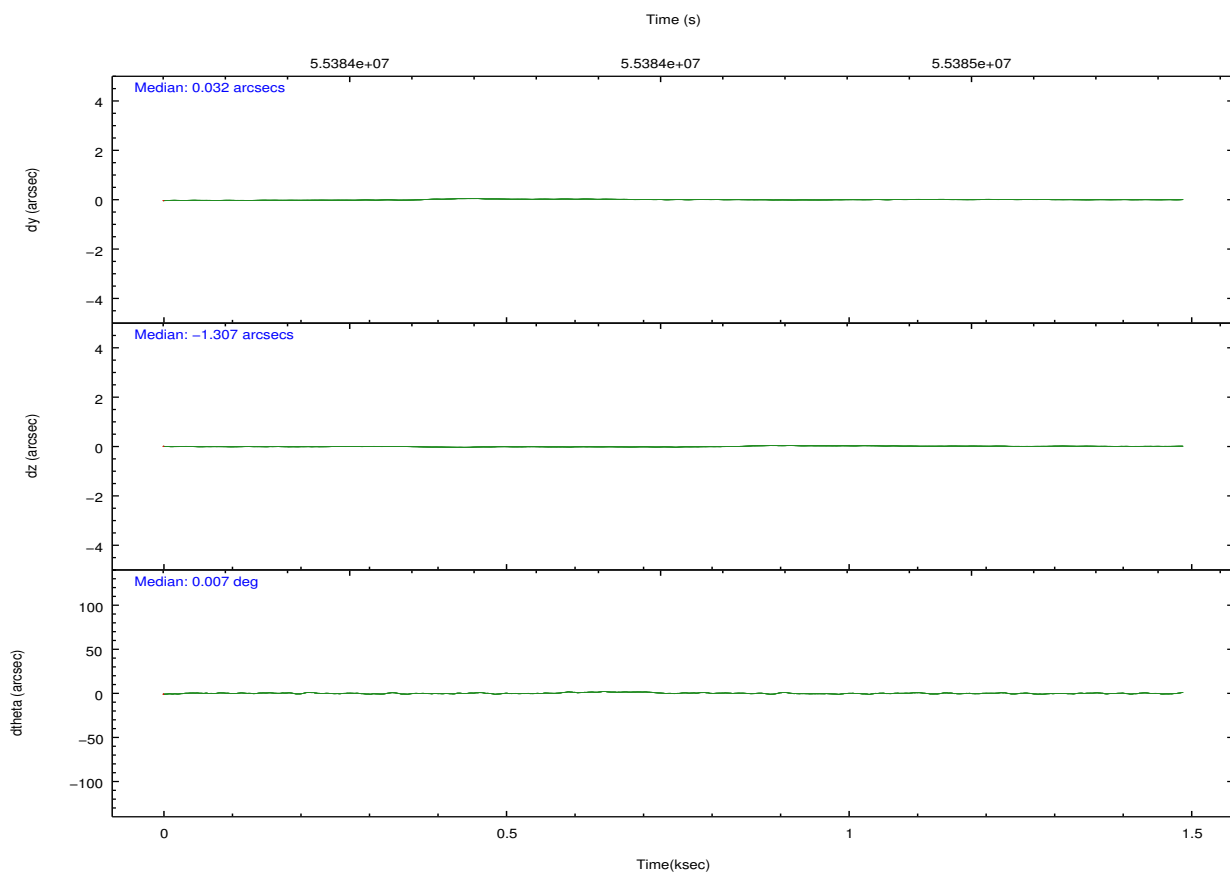
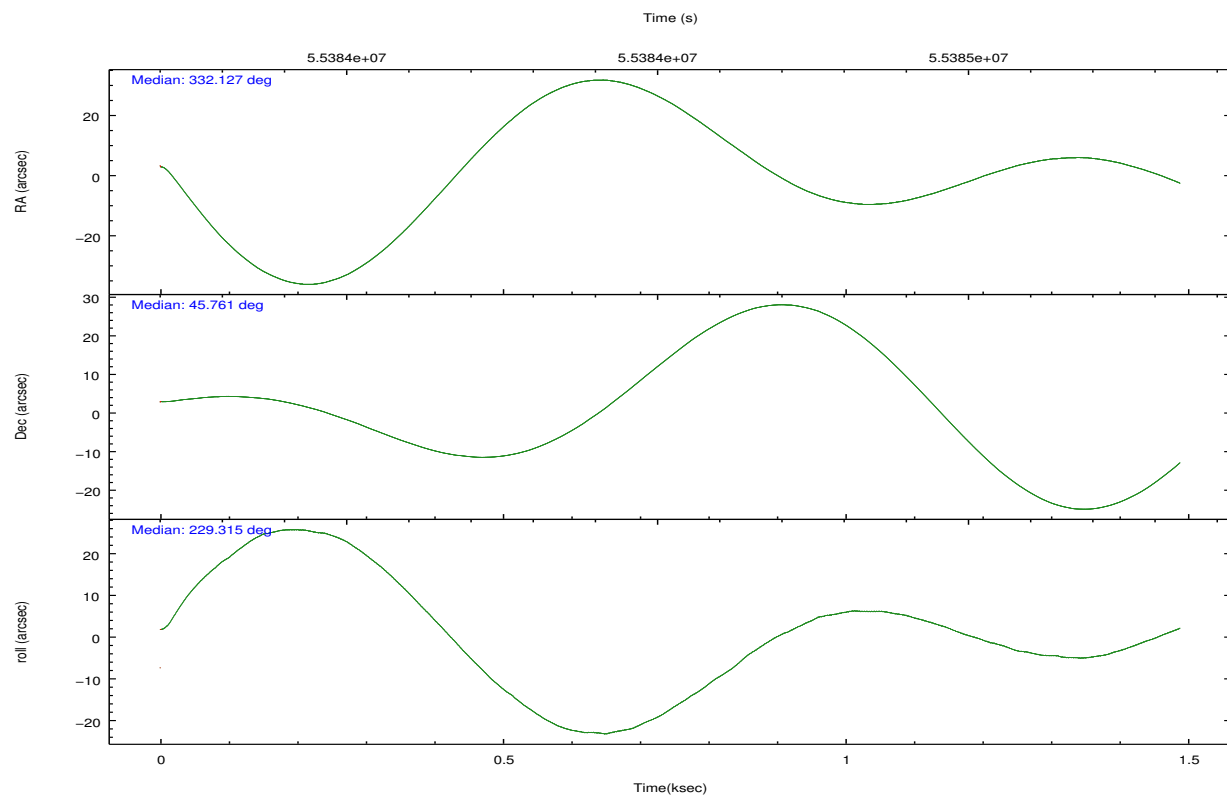
	<b>segment 0</b>
level 1 events	69725
rejected events	2665
rejected %	3%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.134823	332.1265851800718			
Pointing Dec	45.788861	45.76115148469897			
Pointing Roll	229.403534	229.3139778130611			
SIM focus pos (mm)	-0.040293	-0.2342646132009995			
SIM defocus (mm)	1	0.806028007457875			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	55384264.184000	55383597.682641			
Observation start date	1999-10-04T00:30:00	1999-10-04T00:19:57			
Observation end time	55385264.184000	55385398.095206			
Observation end date	1999-10-04T00:46:40	1999-10-04T00:49:58			

## 2.3 Aspect





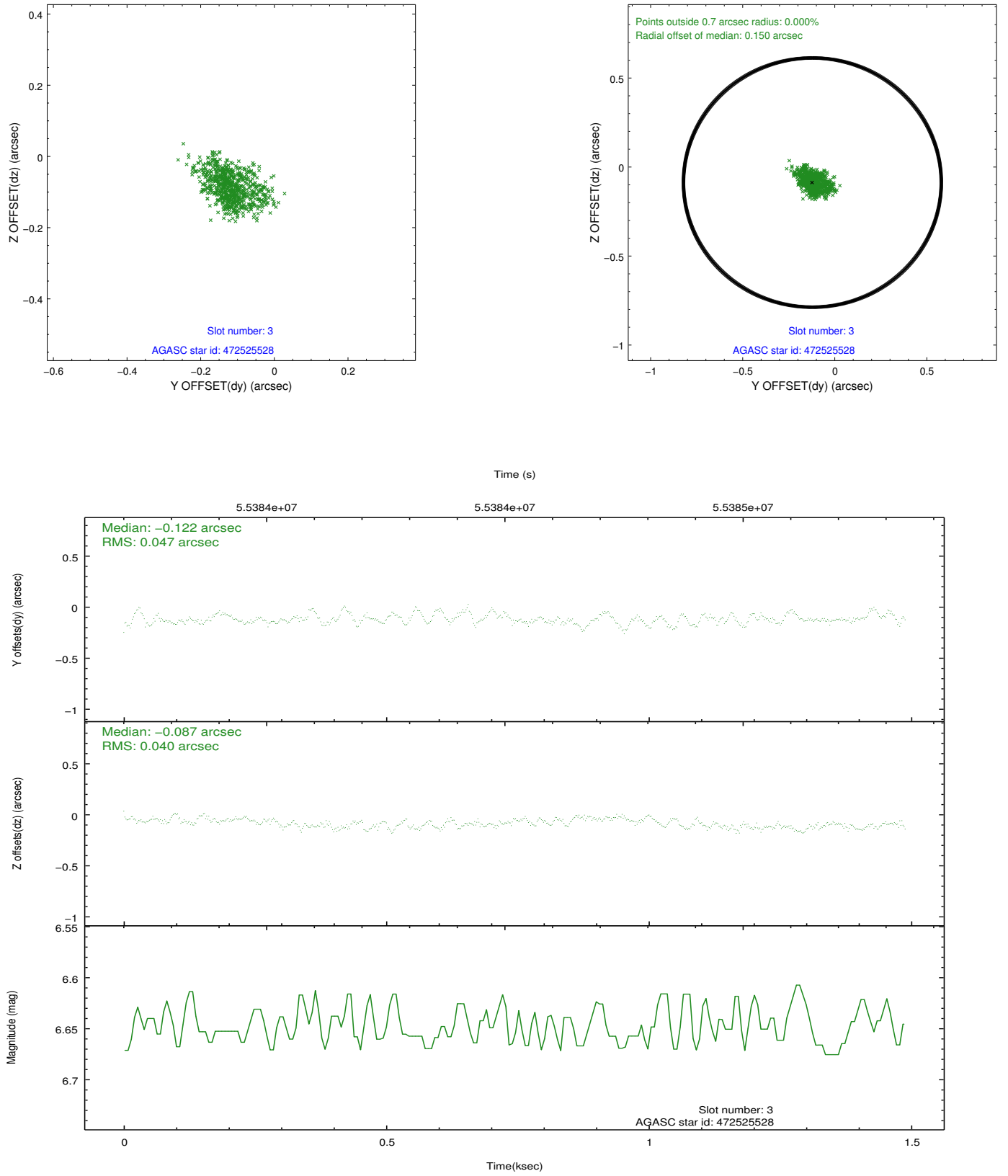
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	727	0.058	0.000	0.007	0.016	0.000000	0.000000	-755.41	-1286.48
1	FID	HRC-I-3	7.03	727	0.062	-0.034	0.007	0.018	0.000000	0.000000	-1185.01	1016.45
2	FID	HRC-I-4	6.98	727	-0.007	-0.055	0.005	0.009	0.000000	0.000000	1285.80	1017.26
3	GUIDE	472525528	6.65	727	-0.122	-0.087	0.066	0.107	331.551102	45.248694	2431.81	138.48
4	GUIDE	472523760	8.25	727	0.049	0.112	0.087	0.179	331.645363	45.403260	1856.35	-38.22
5	GUIDE	472665256	9.00	727	0.033	-0.059	0.066	0.111	332.808125	46.195041	-2208.16	317.89
6	GUIDE	472659832	9.46	727	0.014	0.029	0.084	0.140	332.780399	46.098139	-1905.34	495.52
7	GUIDE	472655152	9.44	726	0.013	0.024	0.088	0.136	332.504239	45.862991	-812.76	528.97

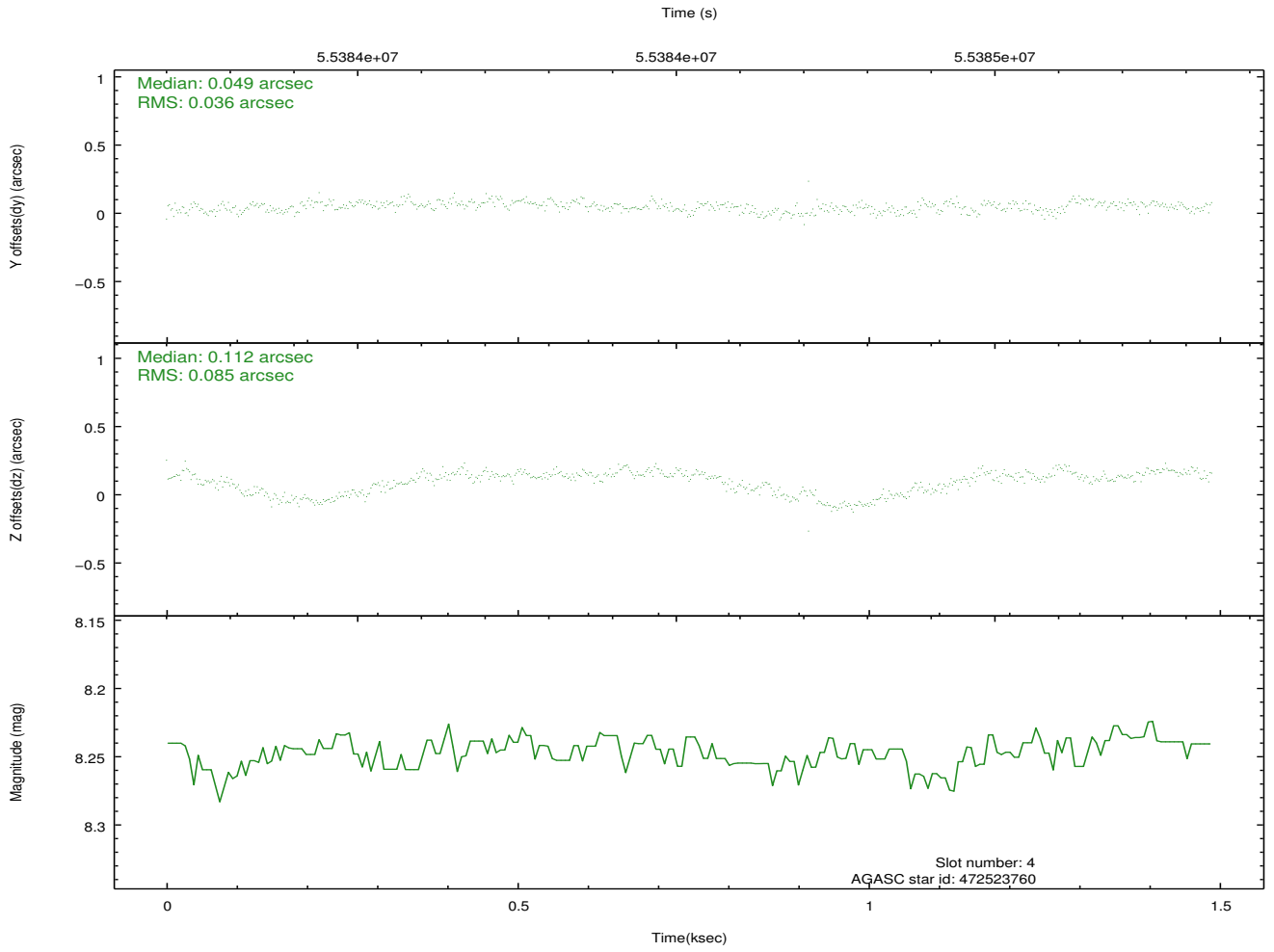
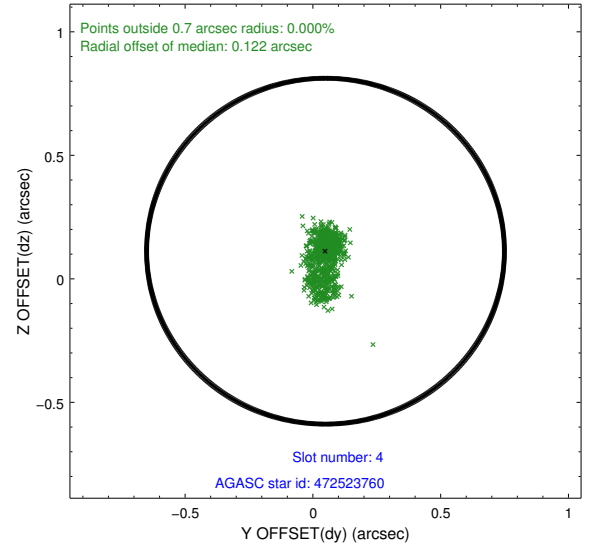
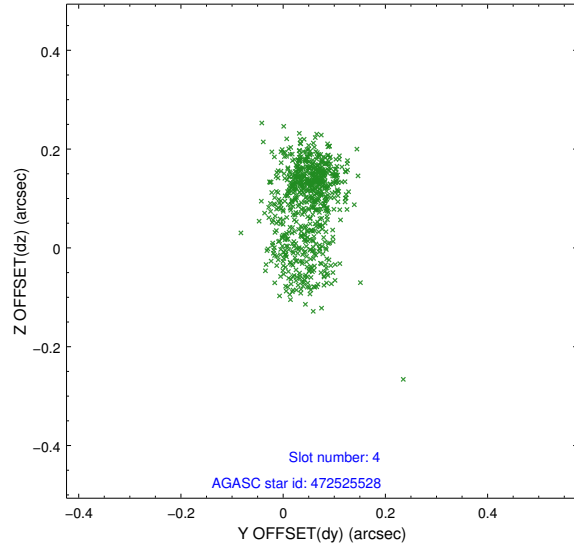


## 2.4 Star Slots

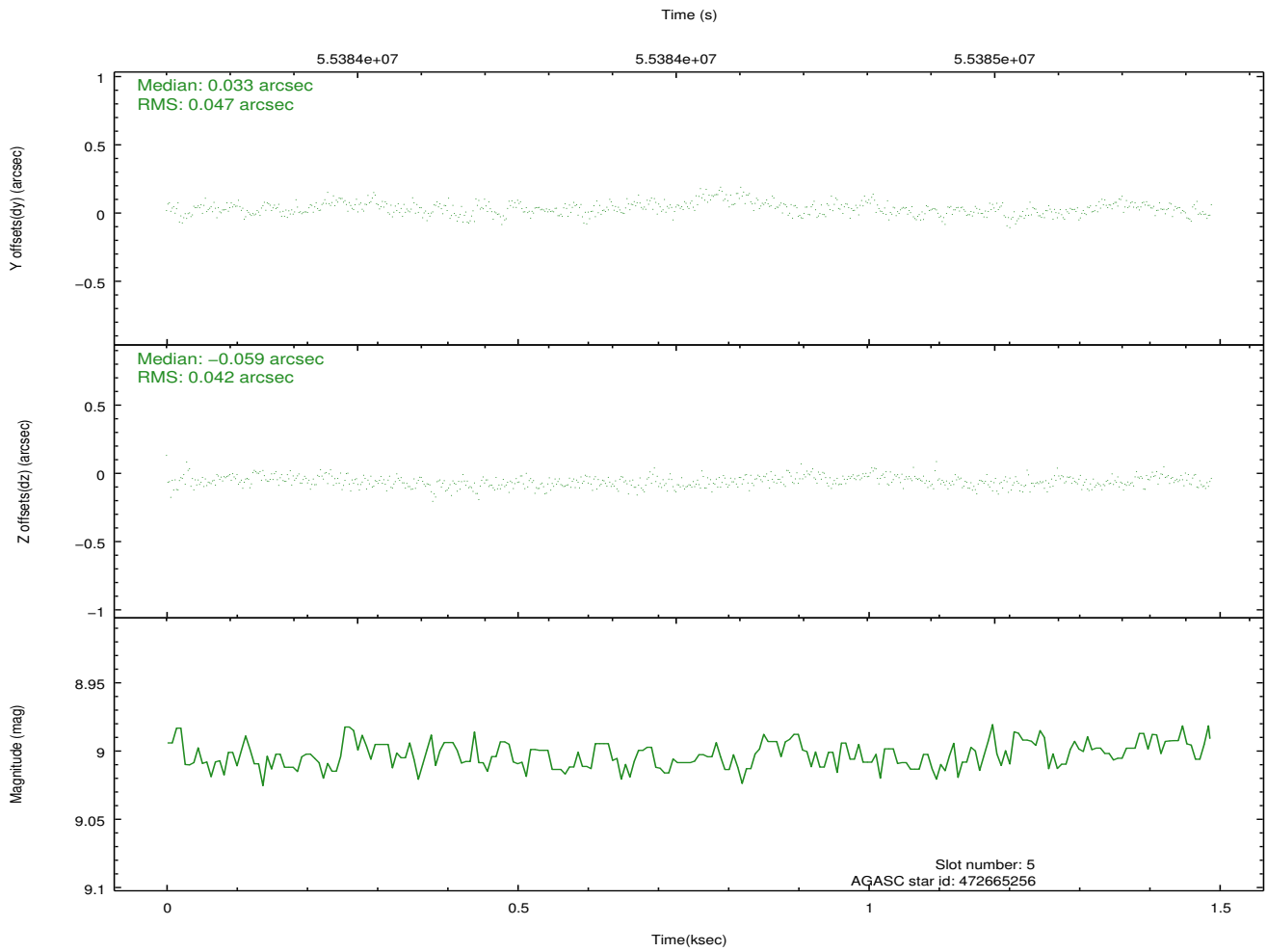
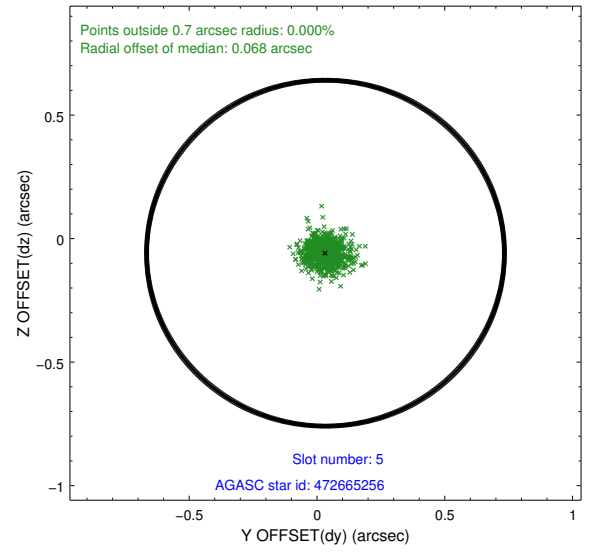
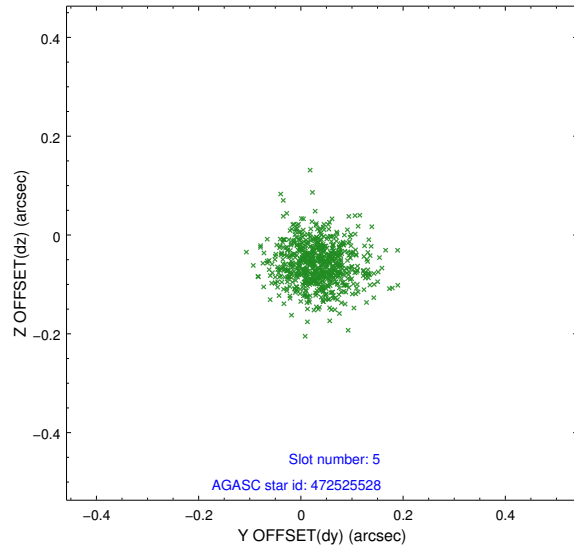
### 2.4.1 Slot 3



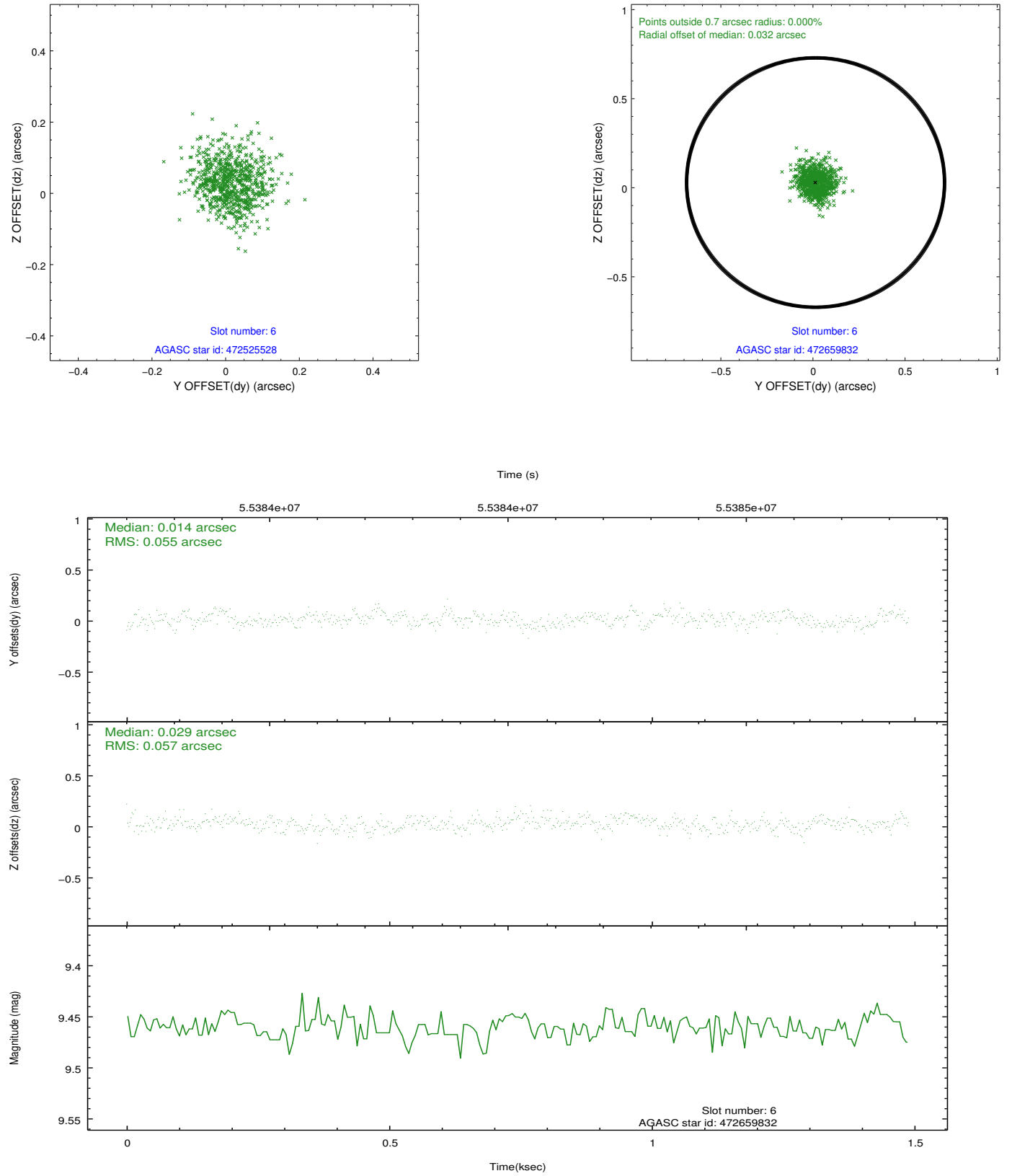
## 2.4.2 Slot 4



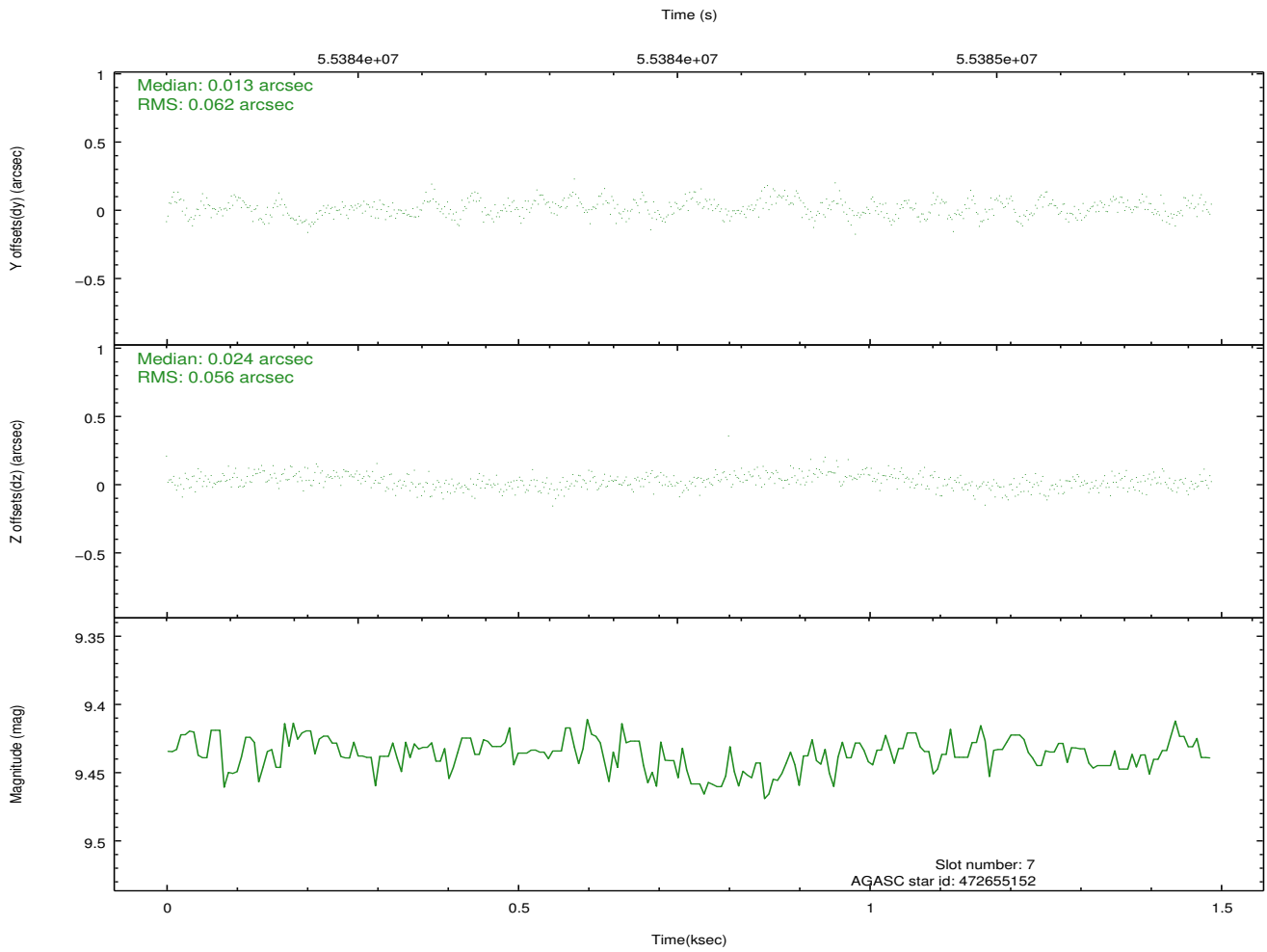
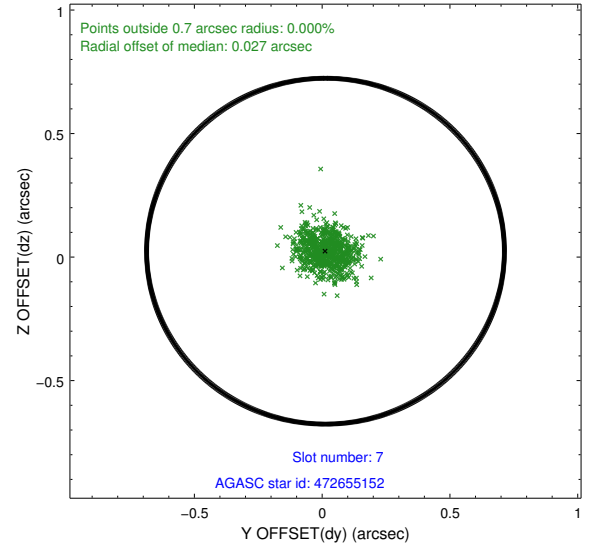
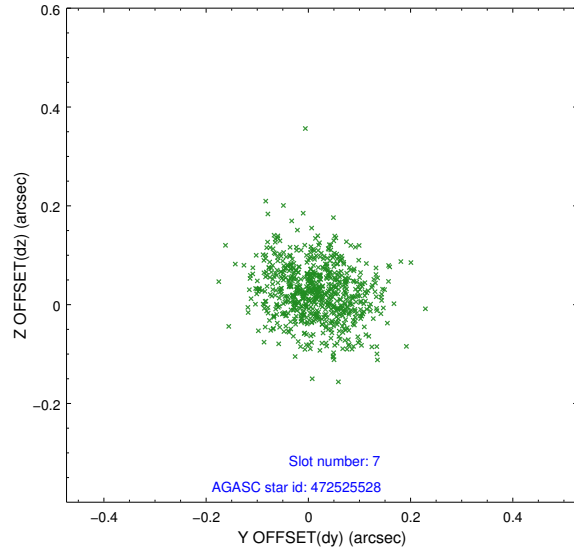
### 2.4.3 Slot 5



## 2.4.4 Slot 6

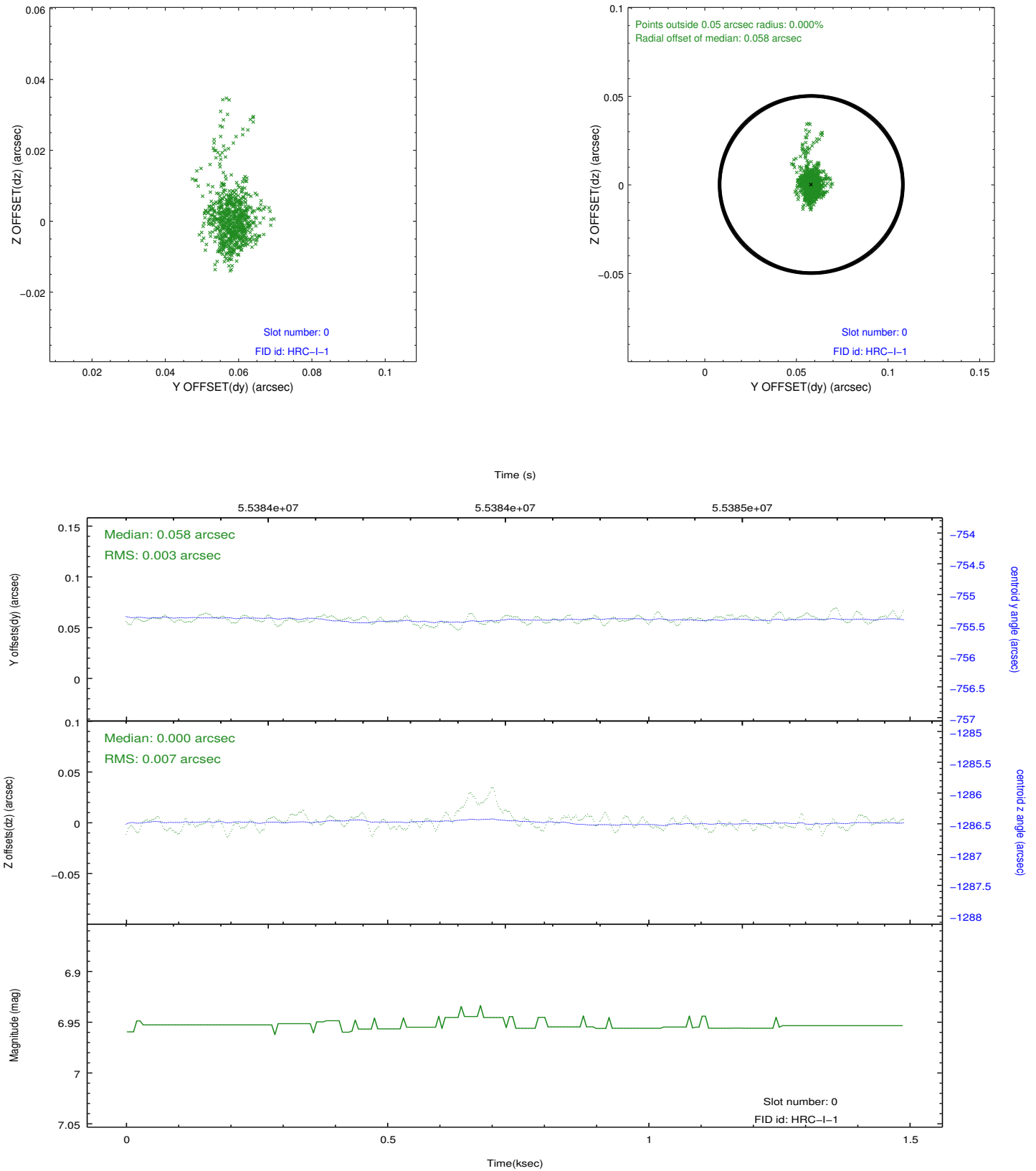


## 2.4.5 Slot 7

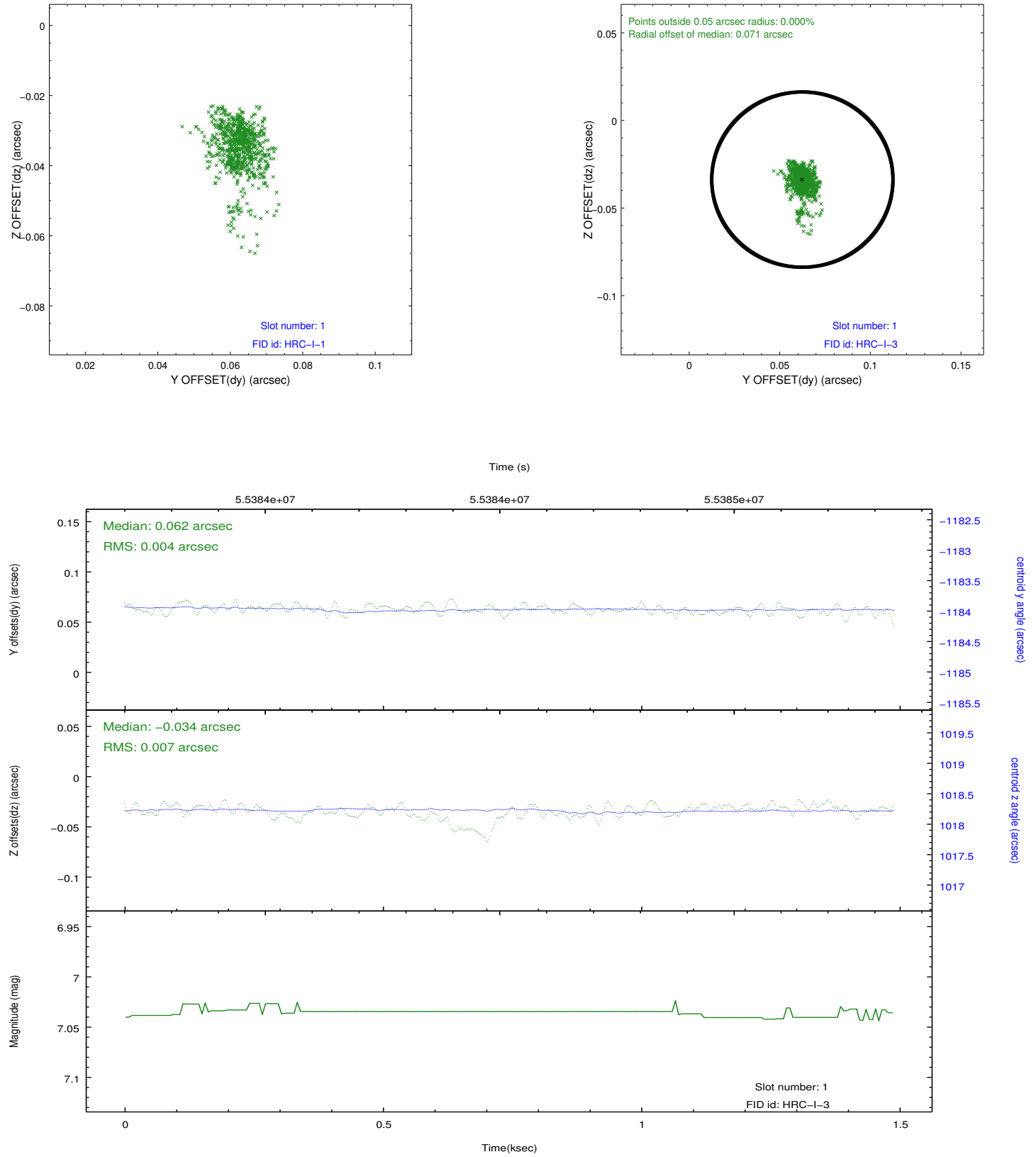


## 2.5 FID Slots

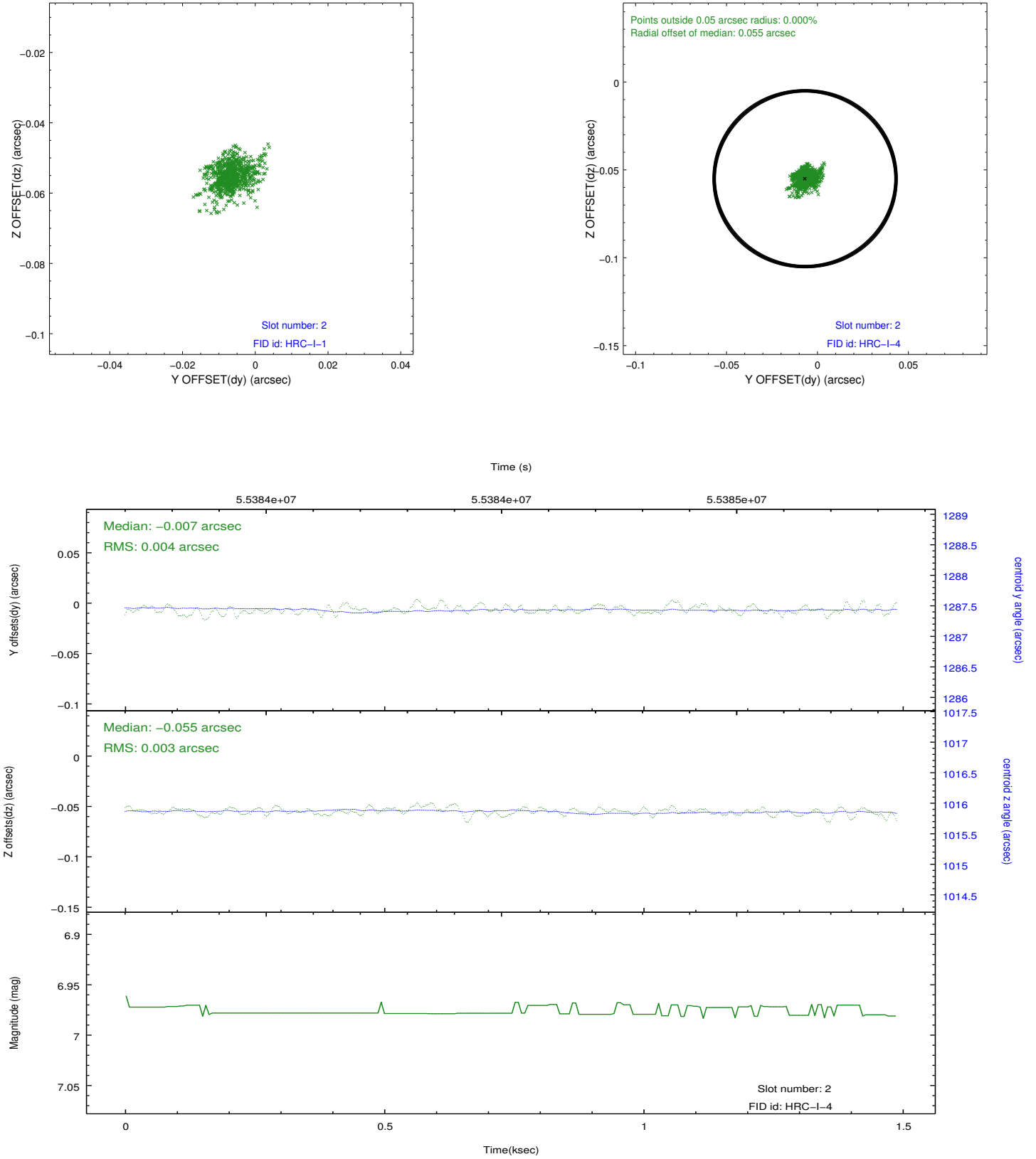
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.272

## A.2 Comments

AR LAC observation to study HRC-I spatial gain dependence on HV. Source is off-axis.

Charge time for this observation remains at previous value of 1.272 ksec,

although with the current processing the charge time would have been 1.274 ksec.