

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4806 - L2 Version 3  
Chandra X-Ray Center

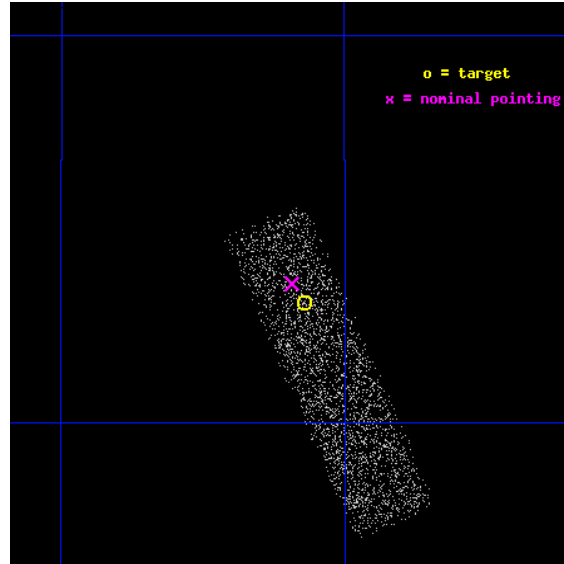
L2 Processing Date : Nov 10 2012

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# 1 Front

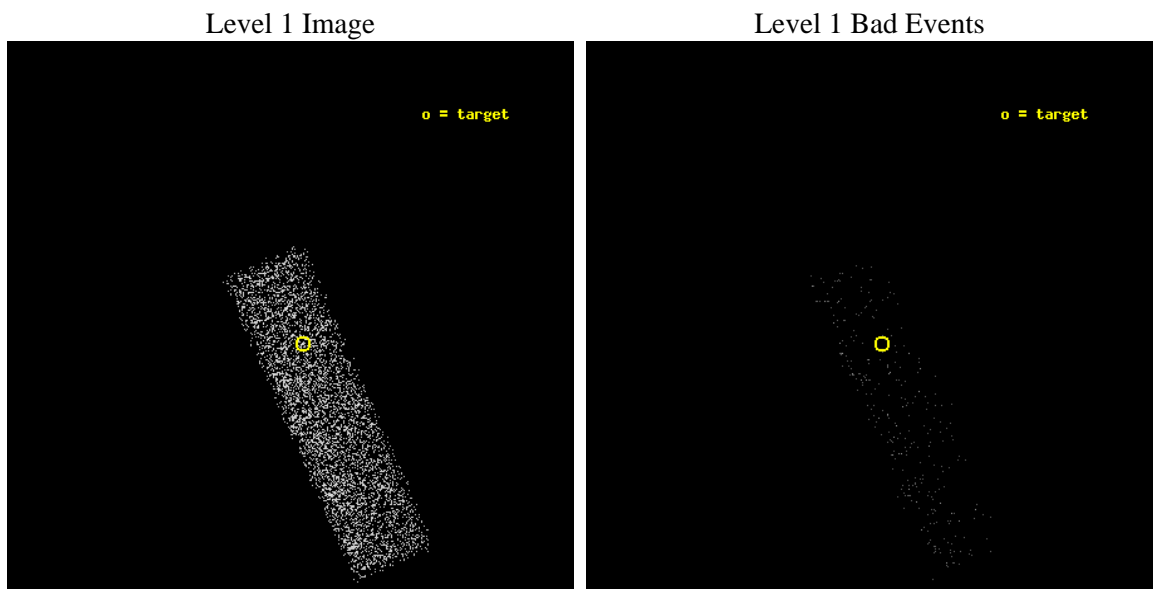
seq_num	700889	Sequence number
obs_id	4806	Observation id
title	Unveiling the engine powering OH Gigamaser sources through X-rays. A well-defined Chandra survey	Proposal title
observer	Dr Cristian Vignali	Principal investigator
object	IRAS FSC 09539+0857	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.142917	Observer's specified target RA [deg]
dec_targ	8.718361	Observer's specified target Dec [deg]
ra_nom	149.14830358635	Nominal RA [deg]
dec_nom	8.7264135036872	Nominal Dec [deg]
roll_nom	66.252610868153	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5053.6000753045	Sum of GTIs [s]
livetime	4807.0009277129	Livetime [s]
ontime7	5053.6000753045	Sum of GTIs [s]
l2events	3060	Number of level 2 events



## 2 OBI

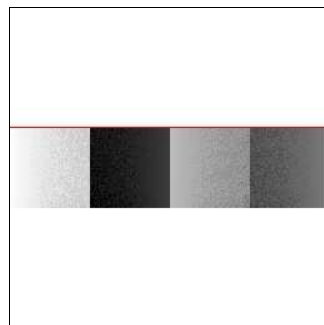
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5053.6000753045	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	5053.6000753045	Sum of GTIs [s]
date	2012-11-10T03:00:40	Date and time of file creation	l1events	6320	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	6320
rejected events	3146
rejected %	49%

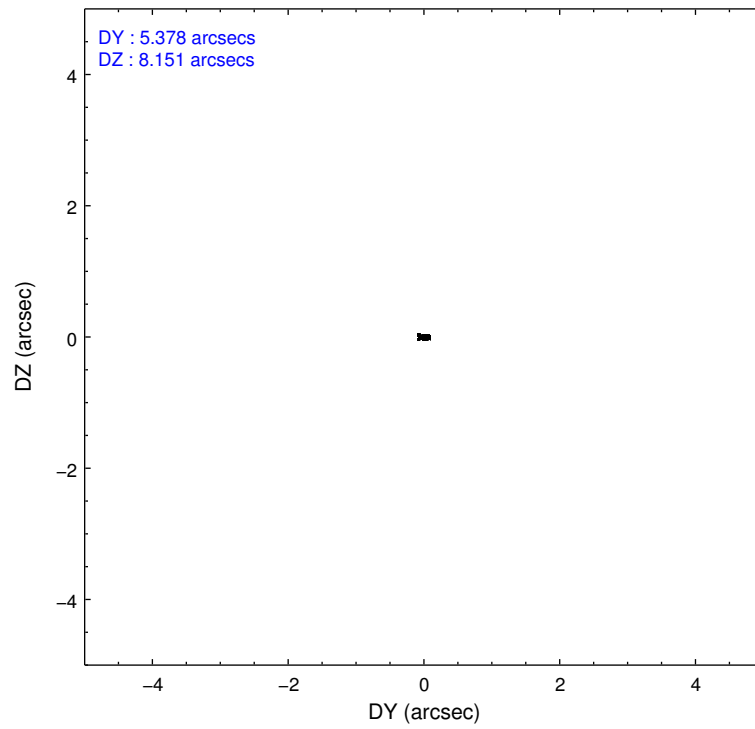
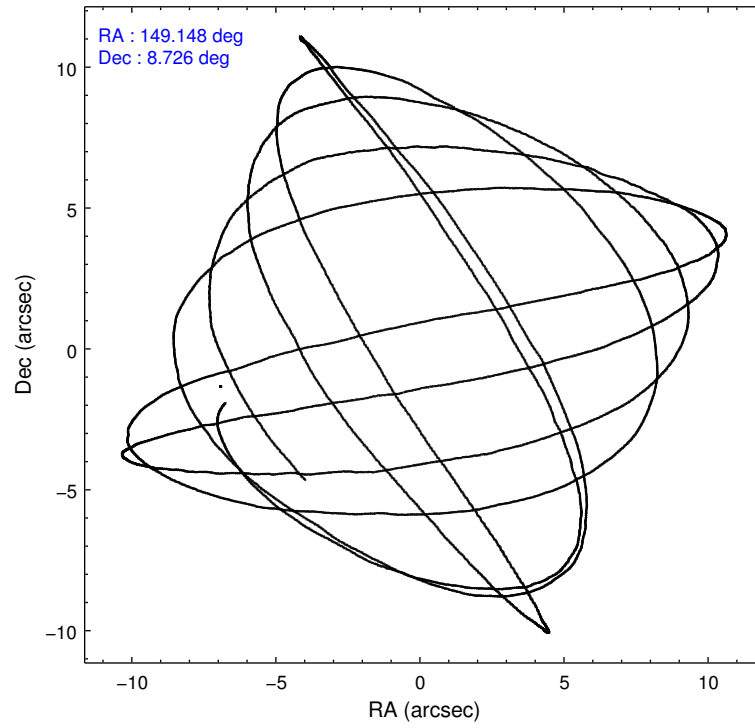
	<b>ccd 7</b>
grade 0 events	344
	5%
grade 1 events	10
	0%
grade 2 events	673
	10%
grade 3 events	423
	6%
grade 4 events	418
	6%
grade 5 events	681
	10%
grade 6 events	1461
	23%
grade 7 events	2310
	36%

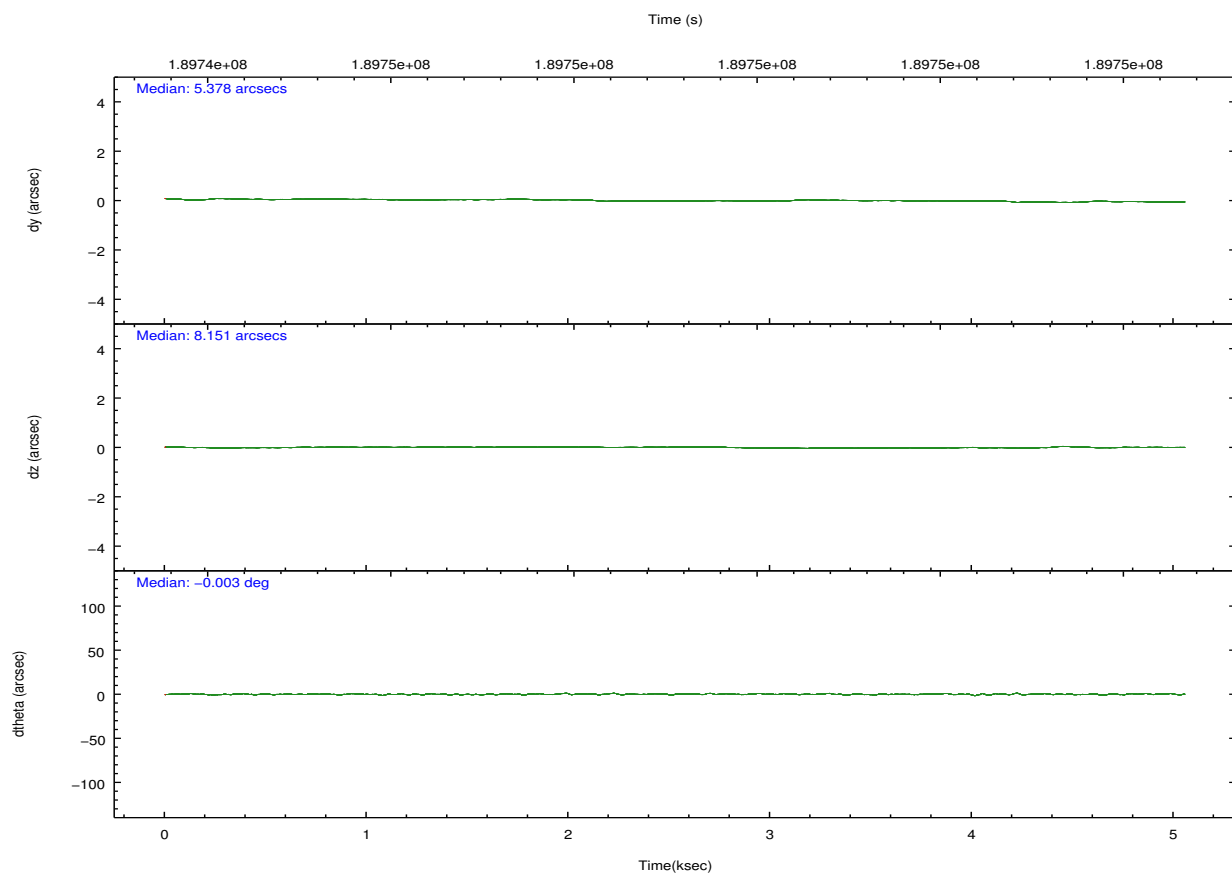
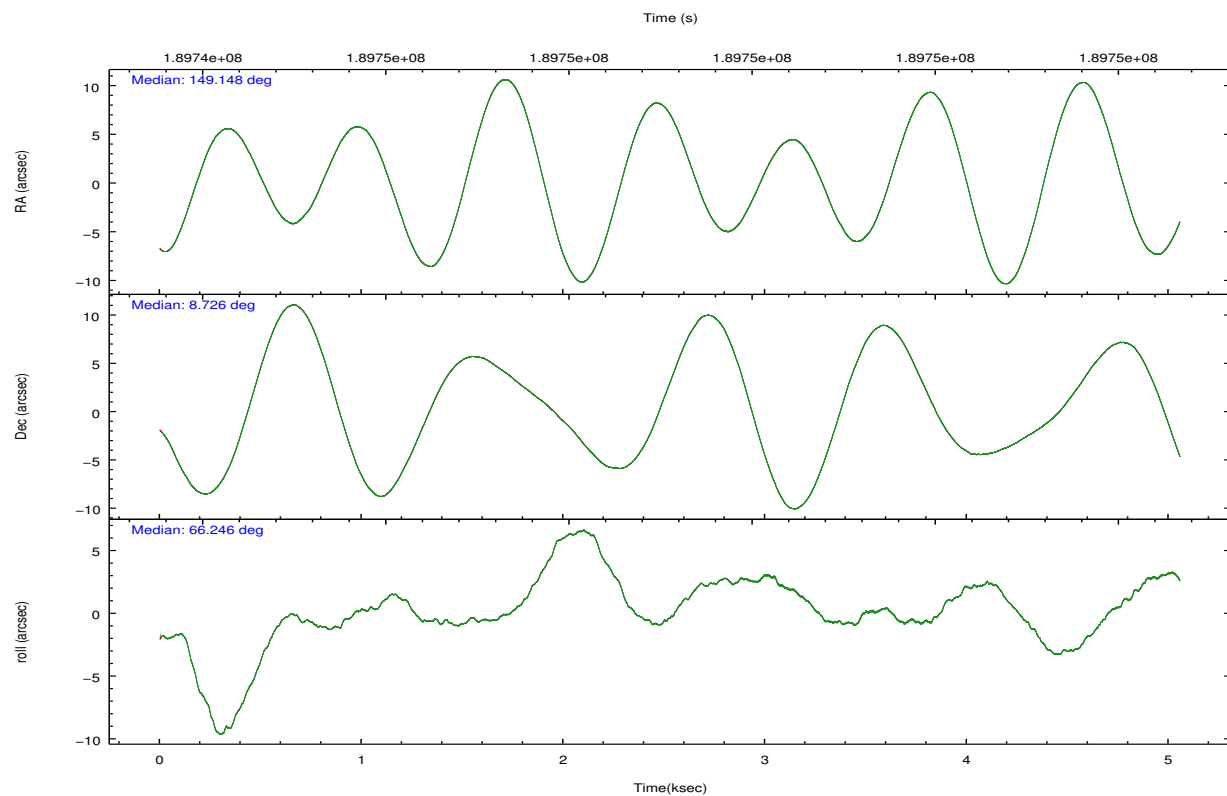


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	149.151732	149.1483035863535	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	8.699366	8.726413503687178	Subarray start row	385	385
[deg] Pointing Roll	66.095461	66.25261086815257	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	189745583.184000	189744435.55468			
Observation start date	2004-01-06T03:05:19	2004-01-06T02:47:15			
[s] Observation end time (MET)	189750083.184000	189750927.39246			
Observation end date	2004-01-06T04:20:19	2004-01-06T04:35:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect



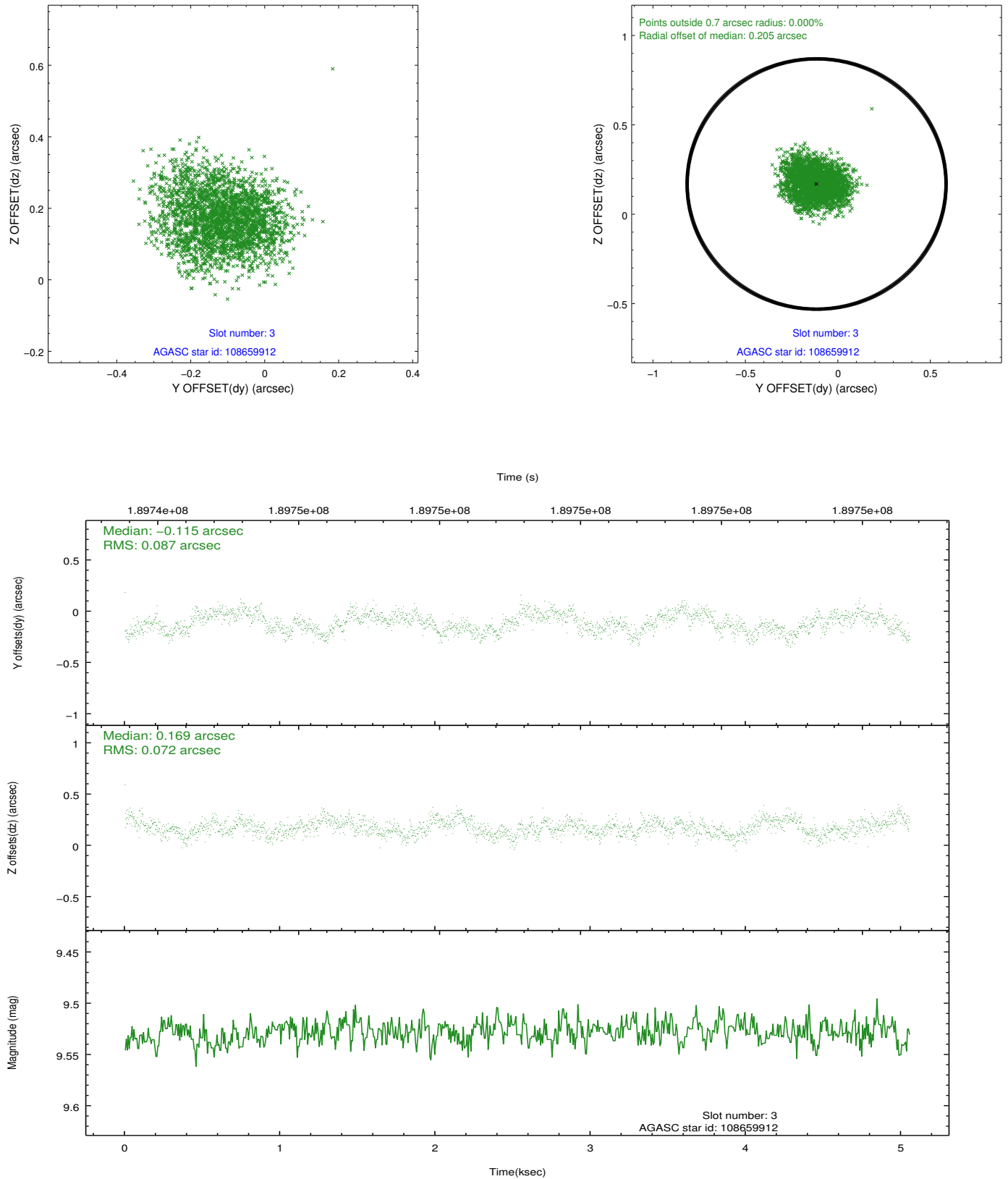


### Slot Statistics

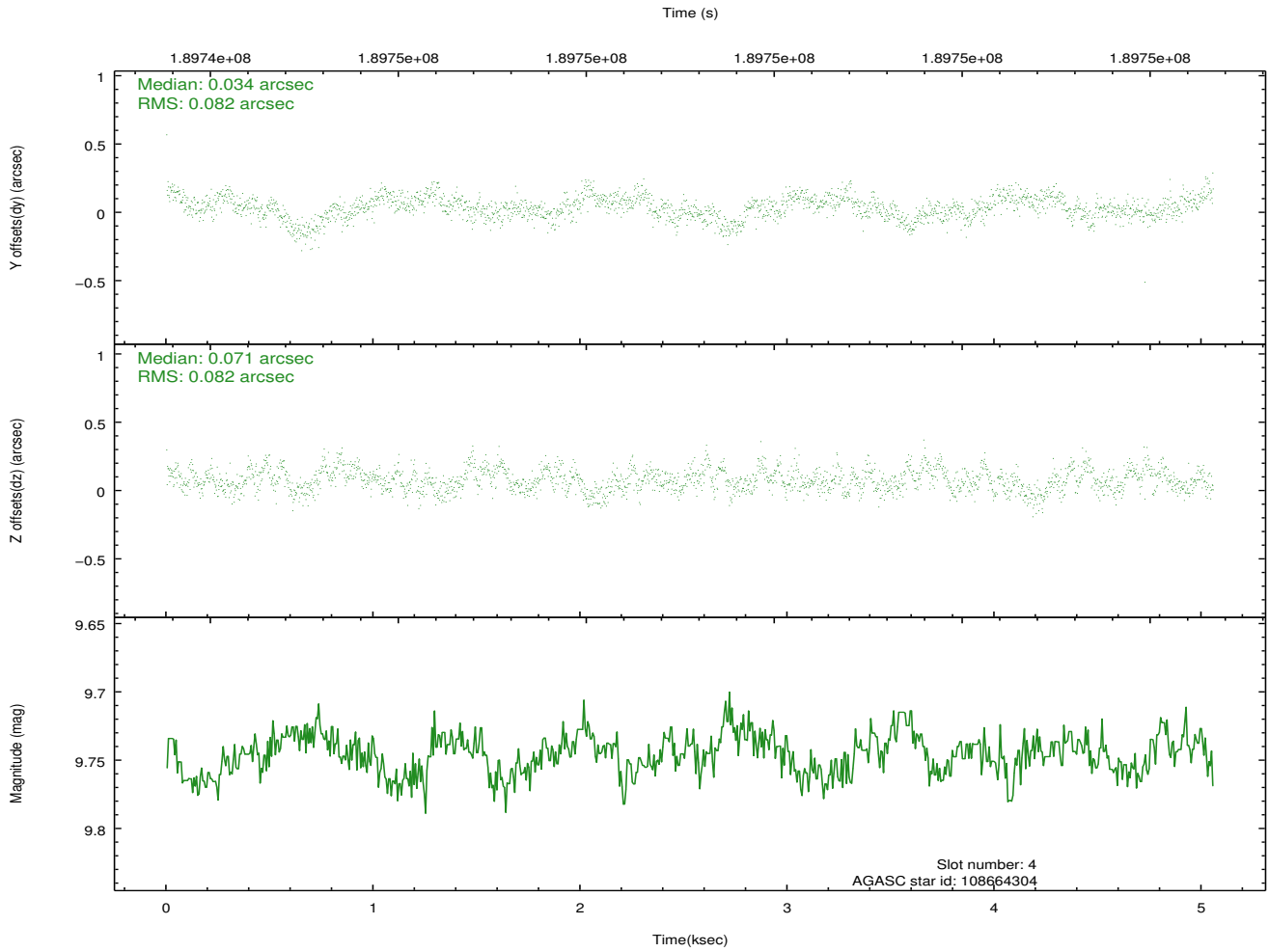
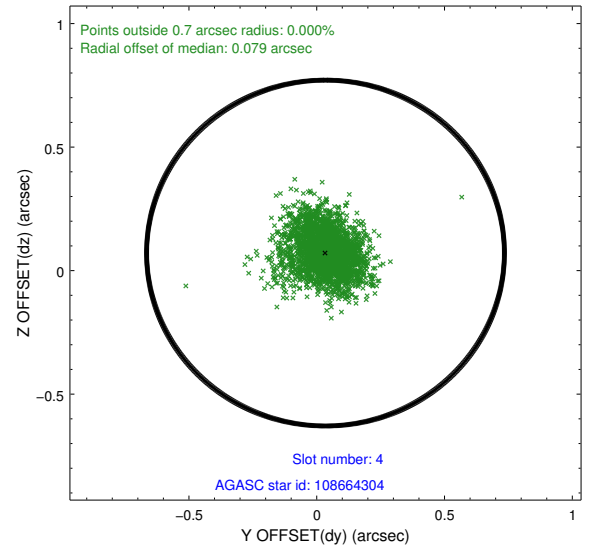
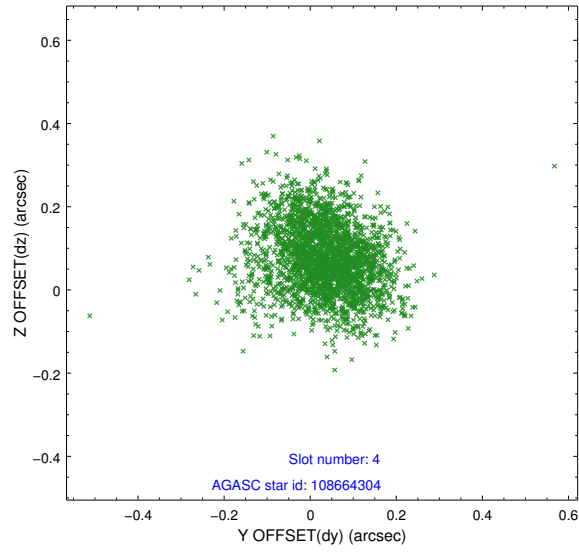
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1233	-0.078	-0.050	0.006	0.011	0.000000	0.000000	-758.20	-1729.38
1	FID	ACIS-S-4	7.21	1234	0.054	0.048	0.006	0.010	0.000000	0.000000	2154.70	177.91
2	FID	ACIS-S-6	7.35	1233	-0.004	0.009	0.007	0.011	0.000000	0.000000	405.45	816.66
3	GUIDE	108659912	9.53	2466	-0.115	0.169	0.122	0.192	149.837569	8.833912	1433.53	-2032.95
4	GUIDE	108664304	9.75	2463	0.034	0.071	0.122	0.203	149.423023	8.300628	-919.28	-1465.94
5	GUIDE	108667856	9.41	2466	0.153	-0.201	0.111	0.179	148.333883	8.486940	-1876.49	2352.75
6	GUIDE	108658792	9.92	2443	-0.087	-0.110	0.133	0.208	149.195508	9.417749	2426.71	907.02
7	GUIDE	108662208	9.75	2459	0.009	0.064	0.136	0.223	149.939142	9.089046	2420.92	-1988.95

## 2.4 Star Slots

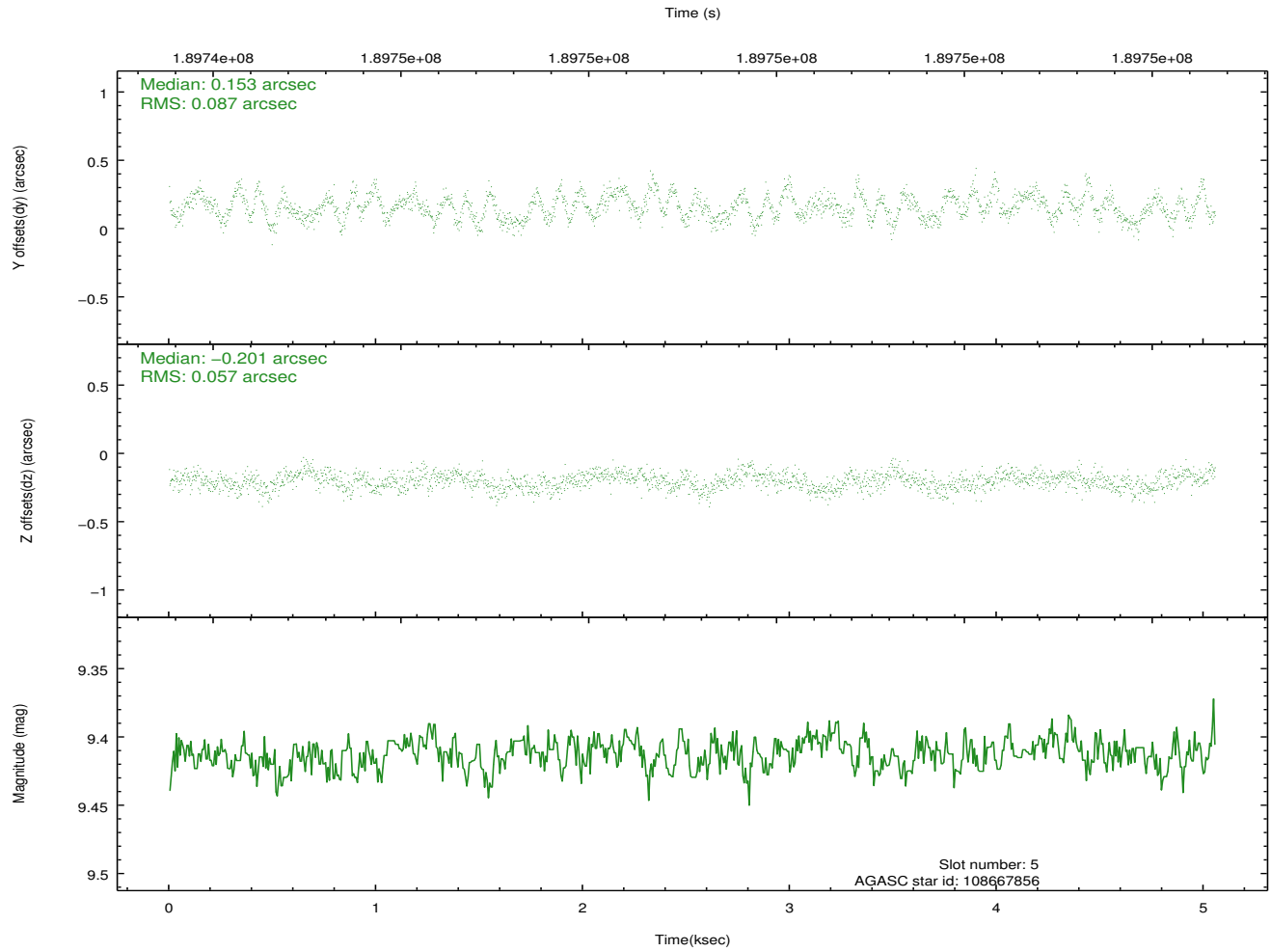
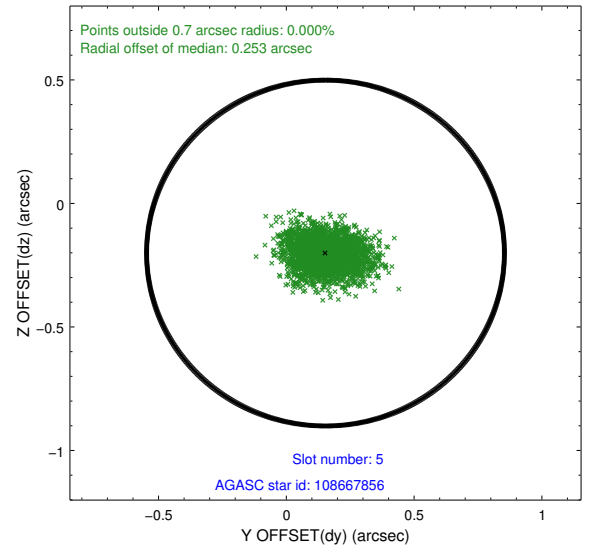
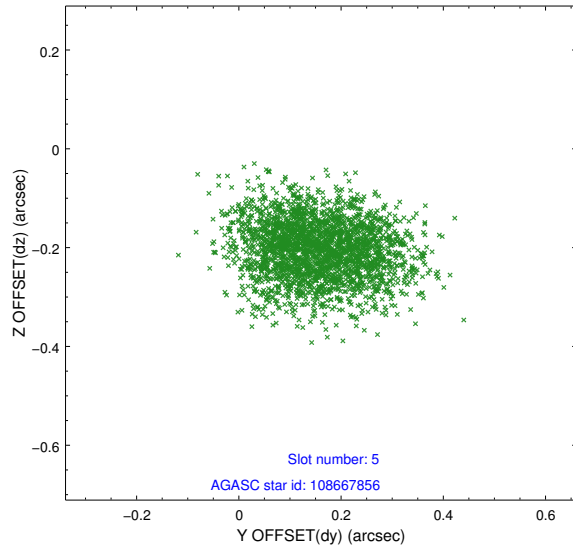
### 2.4.1 Slot 3



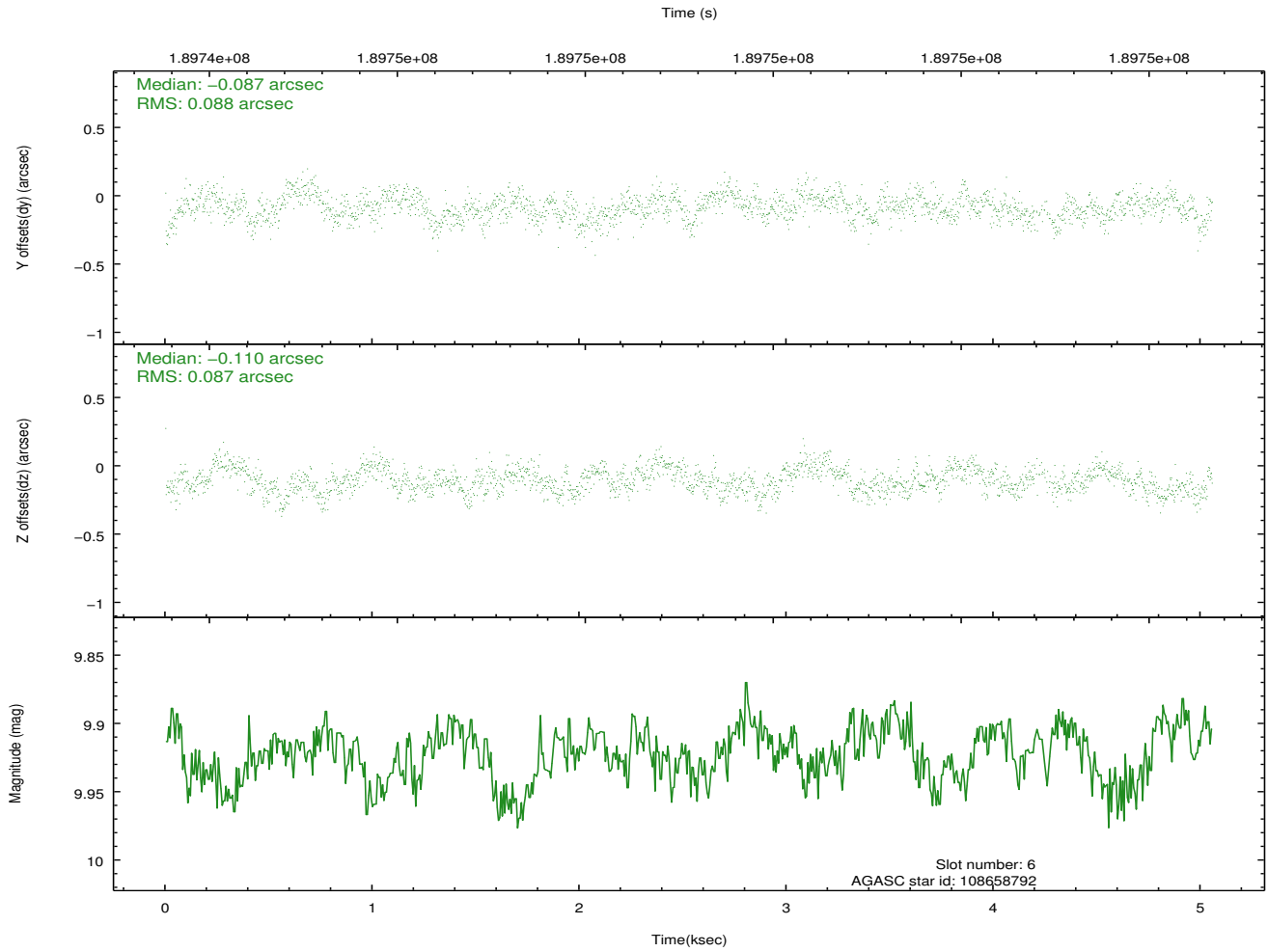
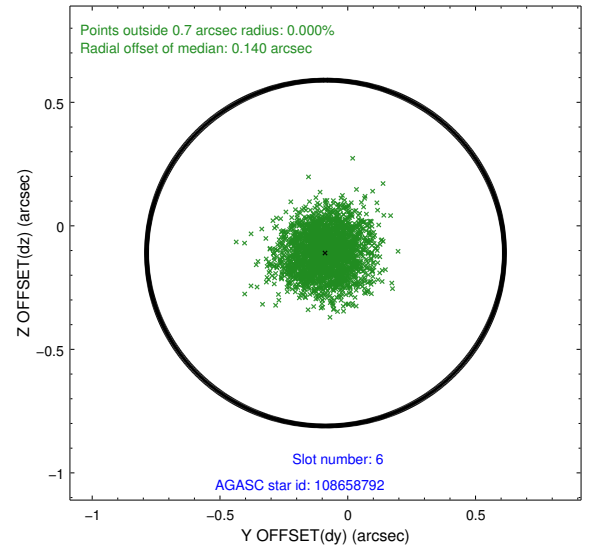
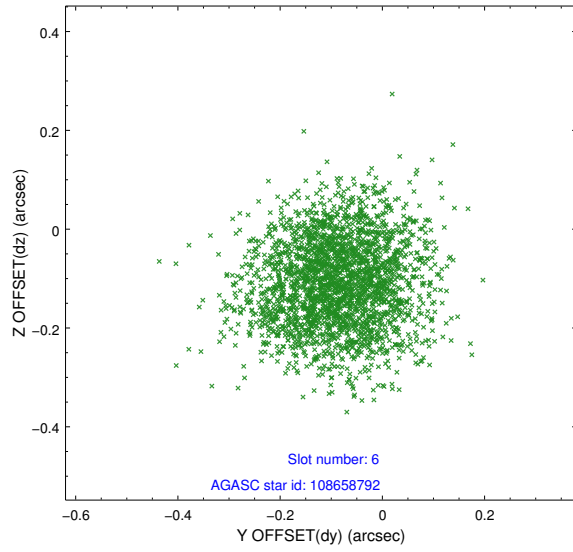
## 2.4.2 Slot 4



### 2.4.3 Slot 5

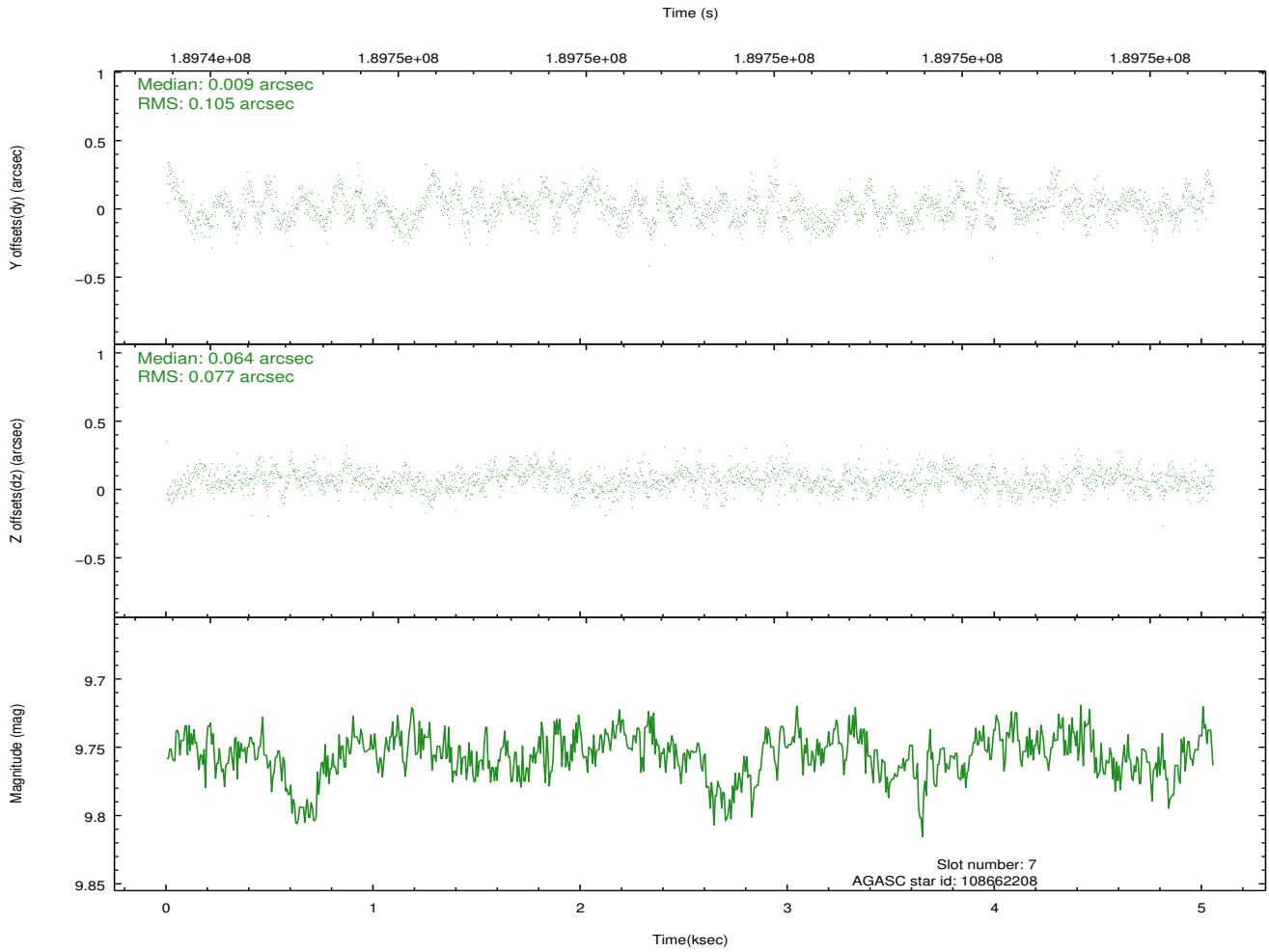
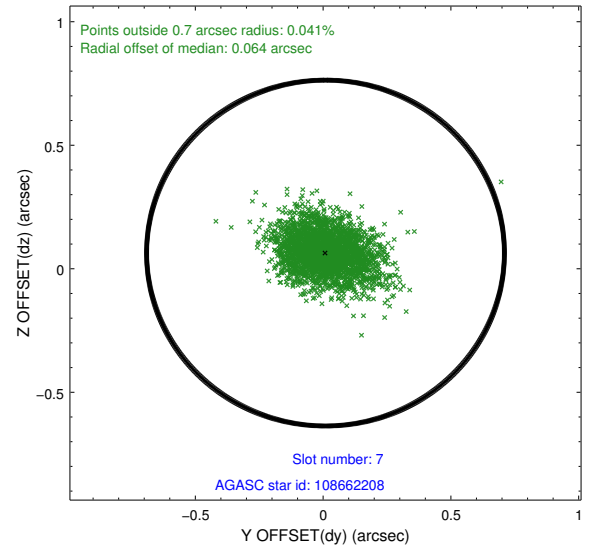
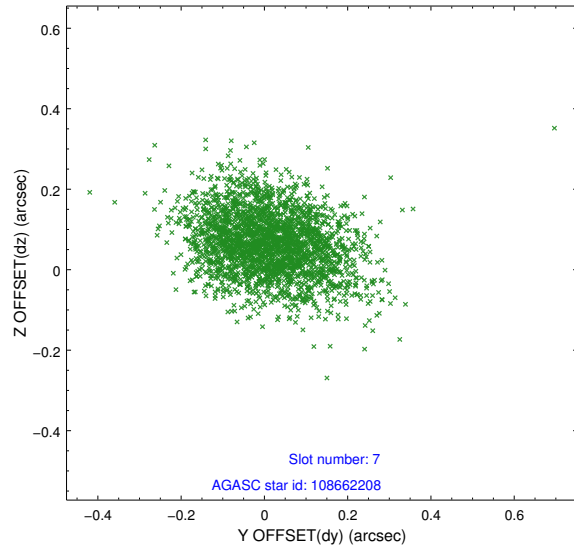


## 2.4.4 Slot 6



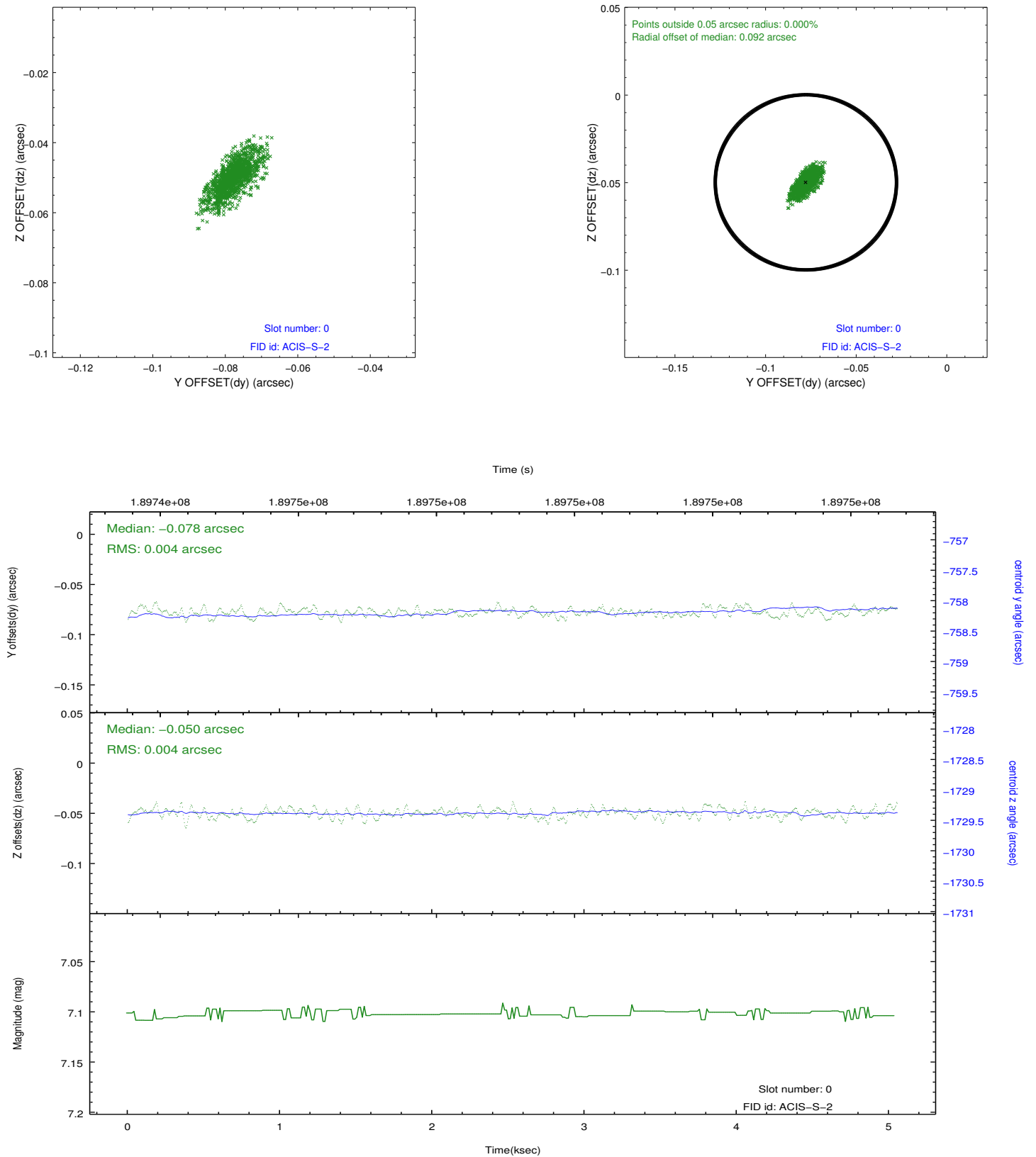


## 2.4.5 Slot 7

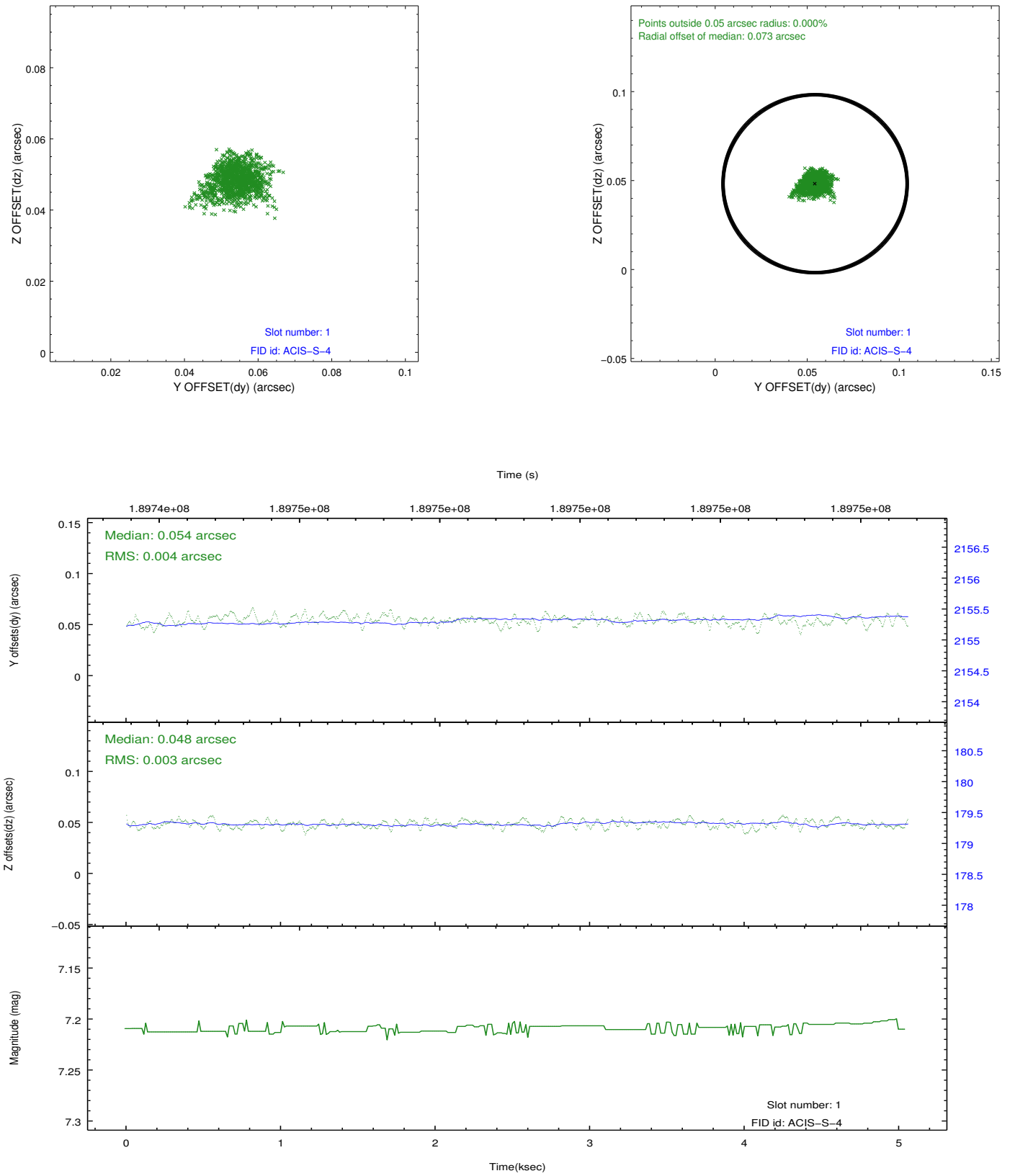


## 2.5 FID Slots

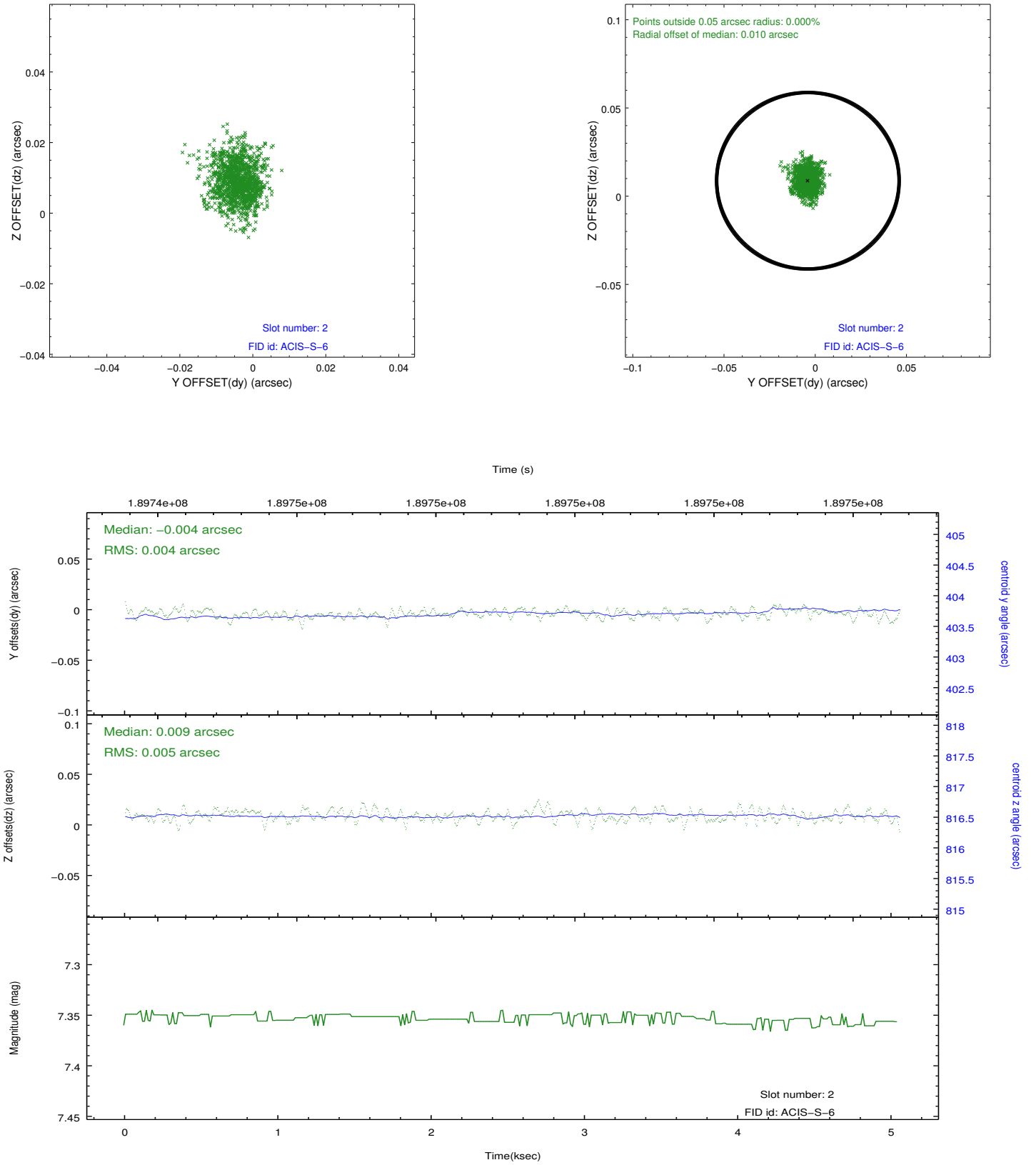
### 2.5.1 Slot 0



## 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)	2012.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.053

## A.2 Comments

Analysis should use Level 1 event file with care in removing bad grades.  
The only potential source near the target position has been marked as  
bad data.