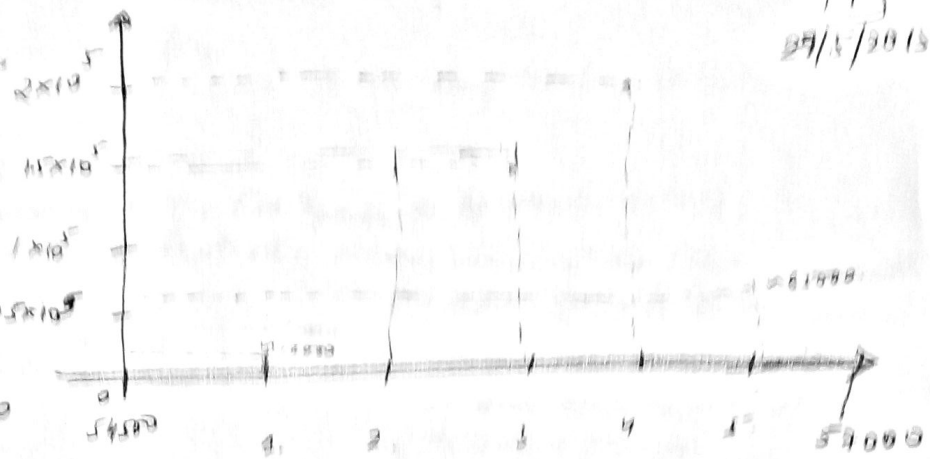
29/3/2015

MJD Histogram



Gap Sizes

① 55000 − 55200 = 200

② 55350 − 55600 = 250

③ 55730 − 55960 = 230

④ 56100 − 56330 = 230

deltaT peaks:

128
131
115
111

all others at zero (and around)

deltaT [0., ... 0. ... 0. ... 0.0016 ... 0 ...]

np.sort(deltaT)[0:20]

([−131. — , −128. — , −115. — , −110. — ,

37 33 25 22
20 16 11 10
9 9 8 8
6 6 6 5 —) .

4 values greater than 100 (or maybe 90.)
less.

tbreakAt = np.where(deltaT < (−100.0))

AIM: to find mjd value corresponding to that where tbreak occurs.

([49402, 2135483, 4153205, 6131104])
↓ i:n

0	1	2	3	4
a	b	c	d	e ...
a	b	c	d	e f ...

MJDtBreak = MJD[i+1]

take all MJD < MJD[i+1] for that epoch.