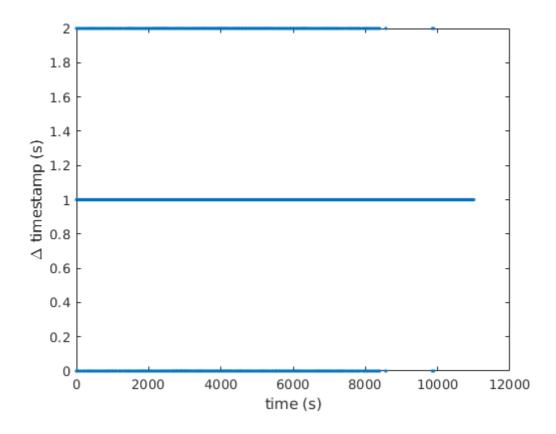
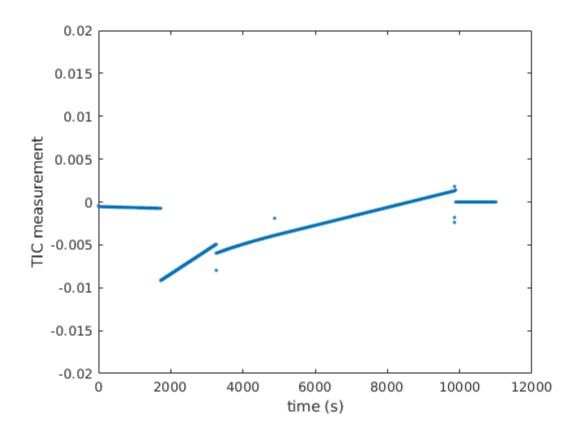
```
%
% Check on bug fix for duplicate timestamps in okxemlog.pl logs
% 2019-04-30 MJW
% Patched okxemlog.pl run in parallel with the unpatched script
% Buggy operation seen during GPSDO unlock.
% Data set 1: no bug fix
d=ReadCvtimeData(58587,58587,'./','bug.tic');
dups =diff(d(:,1))==0;
fprintf('BUGGY:Duplicates = %d\n',sum(dups));
figure(1);
plot(diff(d(14000:25000,1)), '.');
xlabel('time (s)');
ylabel('\Delta timestamp (s)');
figure(2);
plot(d(14000:25000,2),'.');
ylim([-0.02 0.02]);
xlabel('time (s)');
ylabel('TIC measurement');
% Note that the non-buggy data set still has duplicate timestamps
% 04:47:37 -0.004927865 5976
% 04:47:38 -0.00492514 999573
% 04:47:39 -0.007976835 994677
% 04:47:39 -0.005976835 7807
% 04:47:40 -0.00597526 911
% 04:47:41 -0.005973685 996253
% but these are genuine extra measurements, presumably due to the
% pps slewing/stepping (note that there is no missing timestamp)
d=Read2Data(58587,58587,'./','nobug.tic');
dups =diff(d(:,1))==0;
fprintf('NON-BUGGY:Duplicates = %d\n',sum(dups));
```

```
BUGGY:Duplicates = 1929
NON-BUGGY:Duplicates = 5
```





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