Observing cadence:

SkyMapper: *1 day*Kepler: *6 hours*

Number of observations in v filter (if good seeing):

*2*

SkyMapper field of view:

*5.7 degrees squared*

Observable z (from SkyMapper):

Min: *0.001*Max: *0.1*

Observing period:

*57754-58118 mjd (all of 2017)*

Fitting method:

*Chi-squared to determine starting guesses for mcmc*

Q0:

*-0.5*

H0:

*70*

Coordinate bounds for randomly generated SN:

Right ascension: *0-360 degrees*Declination: *-90-10 degrees*

Skynoise:

Kepler: *0.1*SkyMapper: *Tbd*

Redshift distribution:

*Uniform*

t0 distribution:

*Uniform*

Colour distribution:

*0.3\*random number*

x1 distribution:

*3\*random number*

x0 distribution:

*10 ^ ( (29.69-mu(z)) / 2.5 )*

Time of initial detection:

SkyMapper: *Random, (t0-15) – (t0-2) days*Kepler: *Random, (t0-17) – (t0-15) days*

Total observing period:

SkyMapper: *Random, 25-65 days*Kepler: *Random, 80-85 days*

Zero-points

Kepler: *25.47*SkyMapper:

zp\_g\_bad = (np.random.normal(26.82, 0.79, len(t\_sm)))

zp\_i\_bad = (np.random.normal(25.21, 0.36, len(t\_sm)))

zp\_r\_bad = (np.random.normal(26.71, 0.76, len(t\_sm)))

zp\_g\_good = (np.random.normal(26.87, 0.68, len(t\_sm)))

zp\_i\_good = (np.random.normal(25.85, 0.81, len(t\_sm)))

zp\_r\_good = (np.random.normal(26.63, 0.67, len(t\_sm)))

zp\_v\_good = (np.random.normal(24.91, 0.70, v\_obs))

Slew time:

*12s*