

Description of measurement facility and measurement method

Laboratory: MSL

Indicate whether this table relates to Step 1

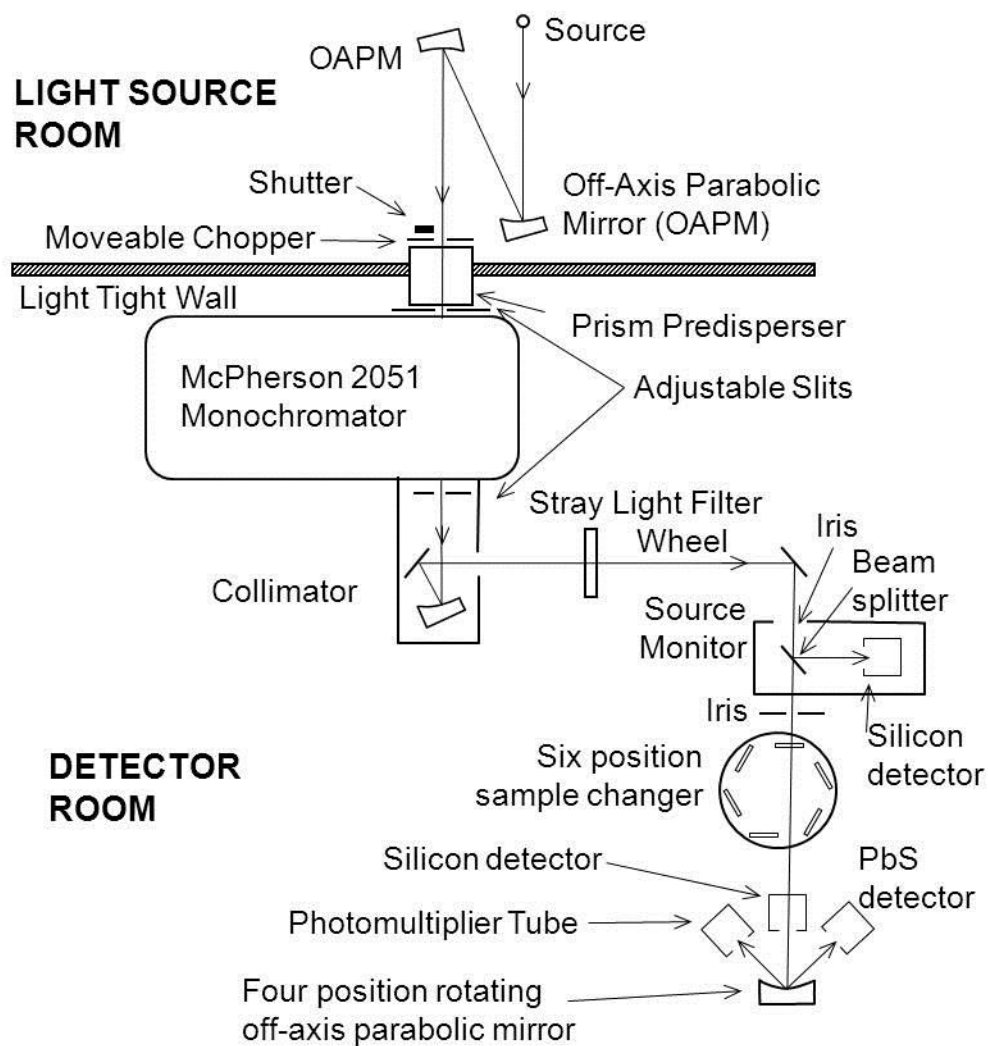
The following table and schematic relate to MSL measurements during Steps 1, 3 and 5.

Table Details of Measurement Setup

Make and Type of Spectrophotometer	1 m McPherson Monochromator with predisperser, In-house built system including lamp, collimating optics, sample changer etc.
Additional Stray Light Rejection	Set of cut on filters and interference filters. Range of ~120 nm per filter
Source Drift Monitoring	Quartz beamsplitter + Silicon S1337 diode
Source	150 W QTH Lamp
Detector	Silicon S1337 diode
Temperature ^(a)	Two PRT sensors hang in the air above the sample changer. The range of temperatures is 22.8 °C – 23.5 °C
Humidity	< 50%
Beam Size	17 mm diameter circle
Beam Collimation	Divergence of ~ 3/800 radians
Measurement Sequence ^(b)	At each comparison wavelength, measure dark current, measure beam intensity through empty space, measure each of five filters, repeat dark current measurement. Repeat whole wavelength range 4 times Repeat set of measurements up to four times during three month period of measurements.
Bandwidth	1 nm

^(a) i.e. describe method of temperature monitoring of filters and range of temperatures ^(b) i.e. describe number of measurements and whether filter orientation with respect to beam changes between measurements

Description of measuring technique (please include a diagram)



If any damage, contamination or cleaning of the filters was carried out, please give details

None.

Signature :

Date :