

## **MVO Seismologist's Duties and Jobs**

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### **Overview**

- Advise MVO Director on seismic activity.
- Manage MVO monitoring system hardware, software, data and products.
- Support MVO technical staff in installation and maintenance of monitoring network.
- Maintain MVO monitoring system documentation.
- Supervise Seismic Technician.
- Develop training, internal and external, for Seismic Technician.
- Backup for Seismic Technician when absent.
- Ops Room duties shared with Seismic Technician and Deformation Technician.
- Liaise with SRC seismic staff.
- Outreach as required.
- Research.

### **Specific**

- Manage MATLAB licences.

### **Regular**

#### ***Daily***

- Check quality of seismic data and products.
- Liaise with MVO technical staff on problems.
- Document significant problems or changes in monitoring system in *systemNotes.xlsx*.
- Rapidly identify cause of any seismic alarms and advise MVO Scientific Staff.
- Investigate any significant, unusual or interesting seismic activity
  - Record in *~/projects/SeismicityDiary/SeismicityDiary.xlsx*.
  - Create standardised plots and save in *~/projects/SeismicityDiary/plots*.

#### ***Weekly***

- Mon (am): Report status of monitoring system to weekly staff meeting.
- Mon (am): Report any significant seismic activity in previous week to weekly staff meeting.
- Fri (am): Add counts from weekly reports to *SeismicityDiary.xlsx*.

#### ***Semi-Annually***

- Prepare text and figures for seismic parts of MVO six-monthly report.

#### ***Annually***

- Check for any problems in monitoring system associated with year rollover.