



# Epworth

First observed: October 19, 2012

MSL Sol 72, Site: 5

Soil target

## Observations

- Sol 72 - [ChemCam](#), [Remote Micro-Imager](#)

## Properties

- high Ca phases were observed [[Clegg et al., 2013](#)]
- contains F [[Forni et al., 2014a](#); [2014b](#); [Forni et al., 2015](#)]

## Publications

- ▼ Clegg et al. (2013), "[High calcium phase observations at Rocknest with ChemCam](#)," LPSC  
*"Specifically, these high calcium phases were observed on Pearson (sol 60), Epworth (a soil on sol 72) and Rocknest\_6a (sol 87)."*
  - ▼ Forni et al. (2014a), "[First fluorine detection on Mars with ChemCam on-board MSL](#)," LPSC  
*"Epworth-5 contains a relative large amount of fluorine since the main atomic lines of F I are also observed."*
- Other targets mentioned:** [Crest](#), [Goulburn](#), [Link](#), [Measles Point](#), [Pearson](#)
- ▶ Forni et al. (2014b), "[First fluorine and chlorine detection with ChemCam on-board MSL](#)," 8th International Conference on Mars
  - ▶ Forni et al. (2015), "[First detection of fluorine on Mars: Implications for Gale crater's chemistry](#)," Geophysical Research Letters

## More like this

- [Epworth\\_3](#)
- [Black Rock \(CaF<sub>2</sub>\)](#)

