

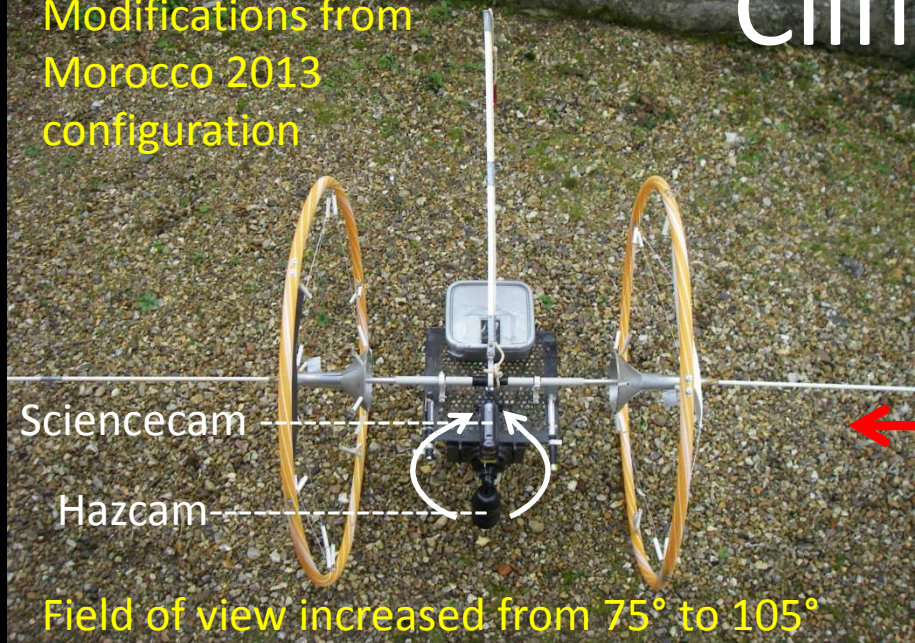


AMADEE-15 APM experiments



Cliffbot

Modifications from Morocco 2013 configuration



Field of view increased from 75° to 105°

Swivelling mechanism + or - 170° (or less)

Mass increased from 2,4 to 3,8 kg (Dachstein :4,5 kg)

Objectives

Cliffs, slopes, holes trafficability

Terrain mapping

Other instruments than camera possible



Last test in Morocco: n°109

Three tests in Utah in March 2015 (MDRS 151)

First test during AMADEE-15: n°113



Dachstein 2012



Morocco 2013



Utah 2015



Cliff mapping MDRS 151

Balloon

Objectives:

EVA general purpose monitoring by camera

EVA terrain mapping/sampling context information

Inaccessible high areas reconnaissance

20 m operating altitude; lower and higher may be experimented



Shackle for Suit attachment



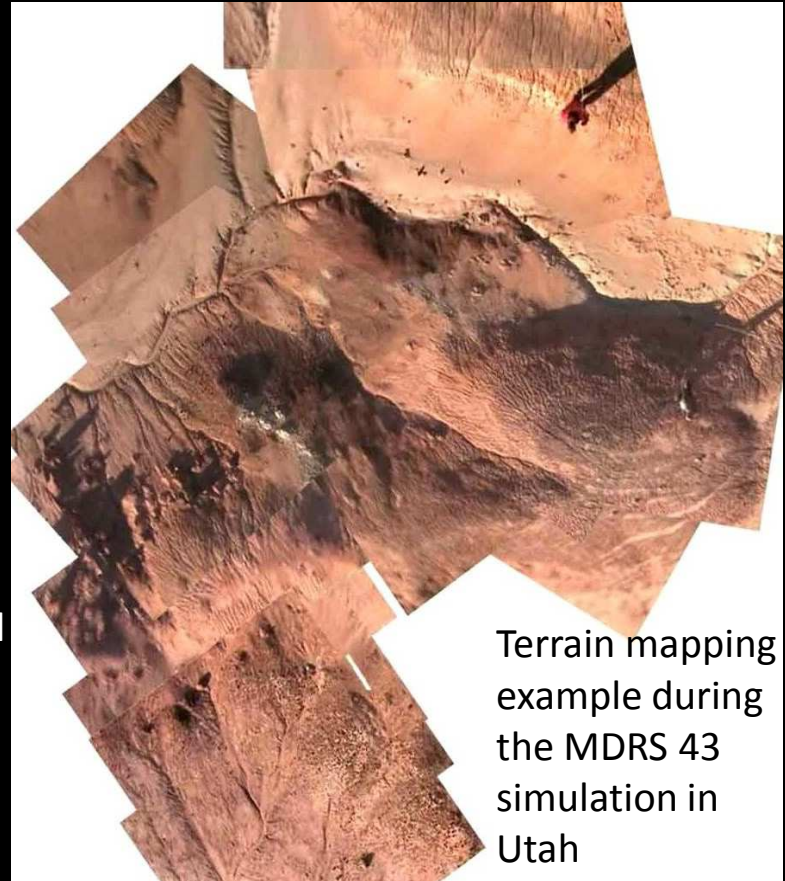
Wire spool: 50 m in double wire (marking every 10 m) and 200 m in simple



Anti shock /scratches rod

The balloon camera is the cliffbot Sciencecam

Shackle for balloon wires attachment



Terrain mapping example during the MDRS 43 simulation in Utah