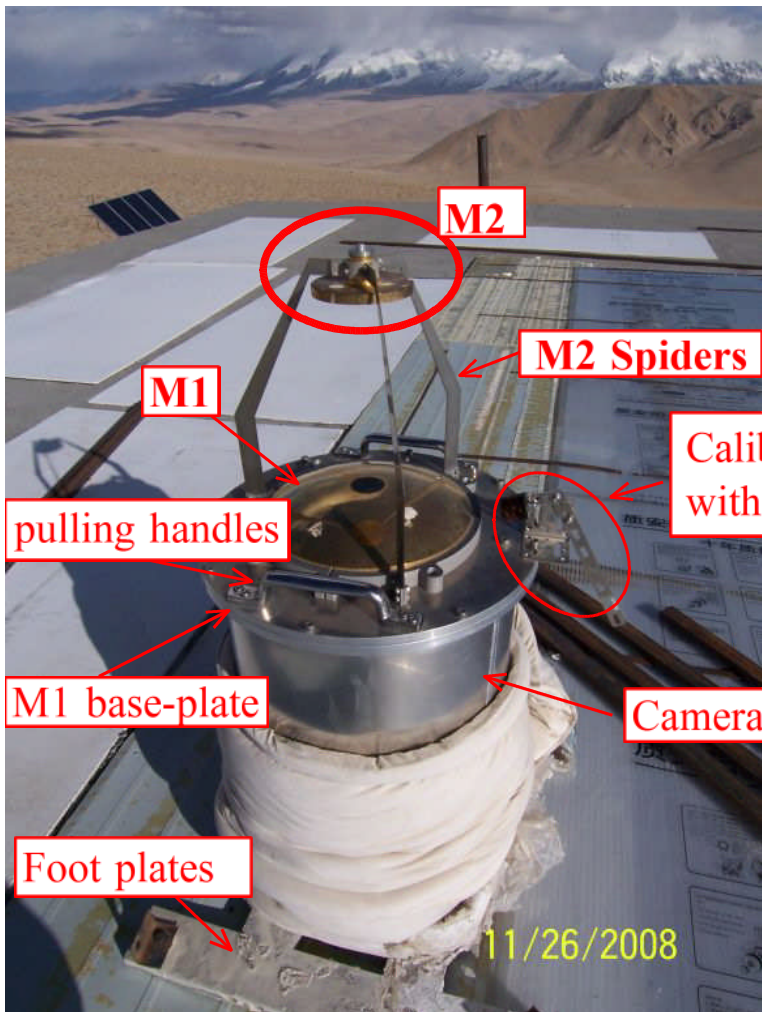


How to disassemble Cloud Monitor camera

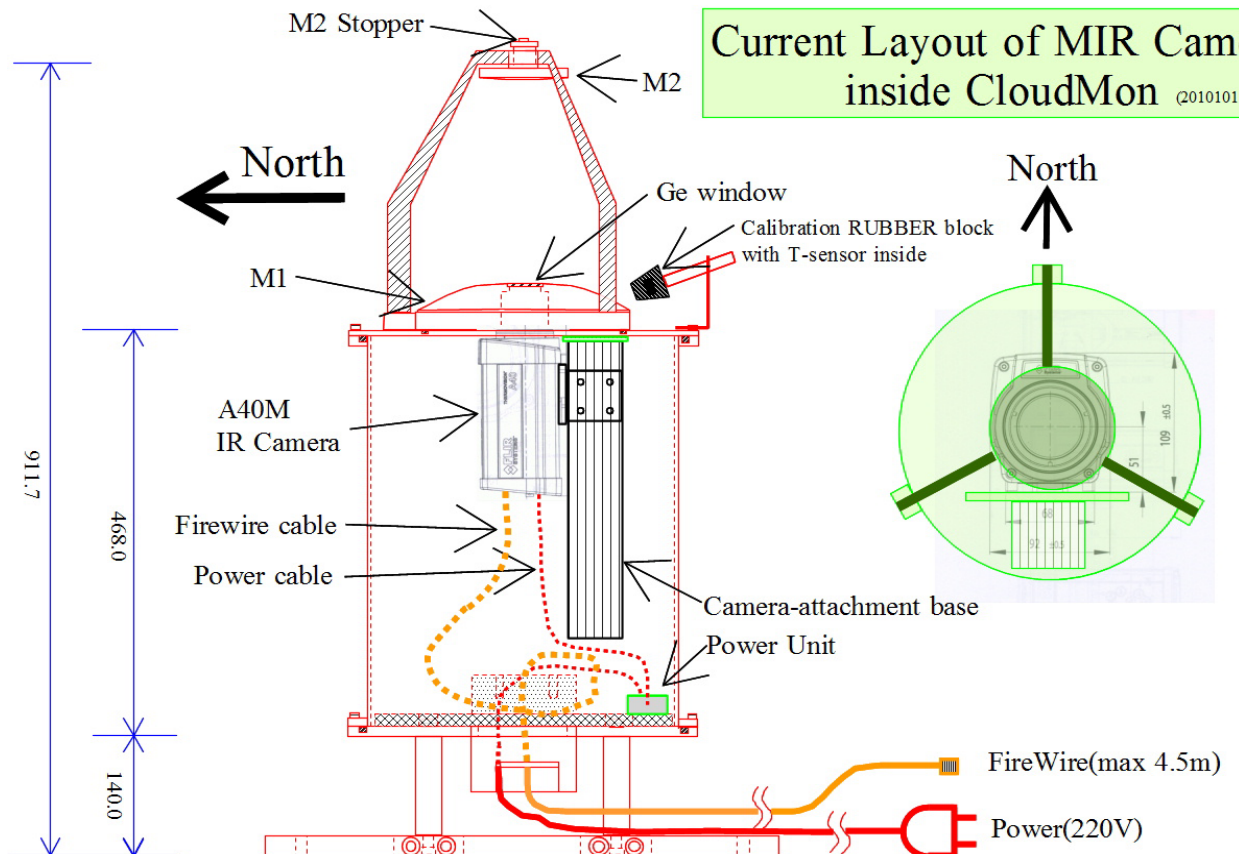
T. Sasaki 2010-10-18

Last Image of Cloud monitor,
taken on Nov. 26,2008 at Karasu



Schematic view of Cloud monitor

Current Layout of MIR Camera inside CloudMon (20101018)



check ☒

- 1. remove M2 by removing M2 stopper and release the screw.
- 2. remove Calibration rubber block (with T-sensor inside) from the M1 base-plate.
- 3. remove screws from M1 base-plate.
- 4. pull up M1 base-plate by using two handles, and lay them on the flat floor, with O-ring kept on the camera housing tube.



④ M1 base-plate with M2 spiders, MIR camera

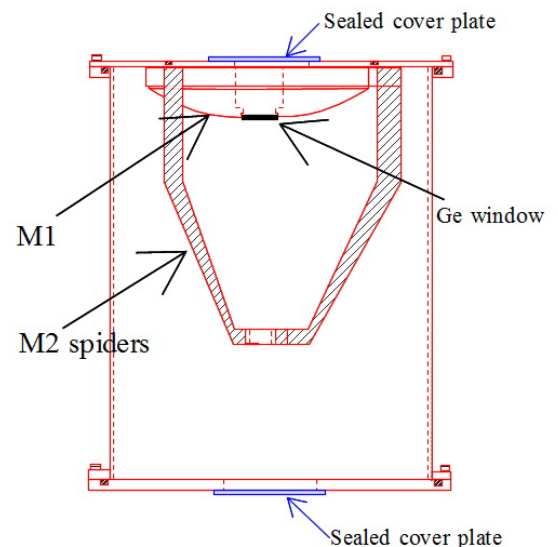


⑦ fragile MIR camera
(Export-permitted camera)

- 5. remove a signal cable and a power cable from MIR camera.
- 6. remove **MIR camera** from a camera-attachment base.
- 7. put the protect cover in front of the camera lens, and keep the camera inside a shipping box for safety.
- 8. remove the camera-attachment base from the top base-plate.
- 9. remove two handle from the top base-plate.
- 10. remove a camera power unit and its wooden base inside the camera housing tube.
- 11. remove foot plates and a plastic tube from the bottom of the camera housing tube.
- 12. put the top base-plate with M1, Germanium window, and M2 spiders **reversely** on the camera housing tube and tighten the plate with the screws.
- 13. cover the holes with thin protect sheets on the top and bottom of the camera housing tube.
- 14. disassemble the foot plates and pack them.



⑩ parts inside the camera housing tube



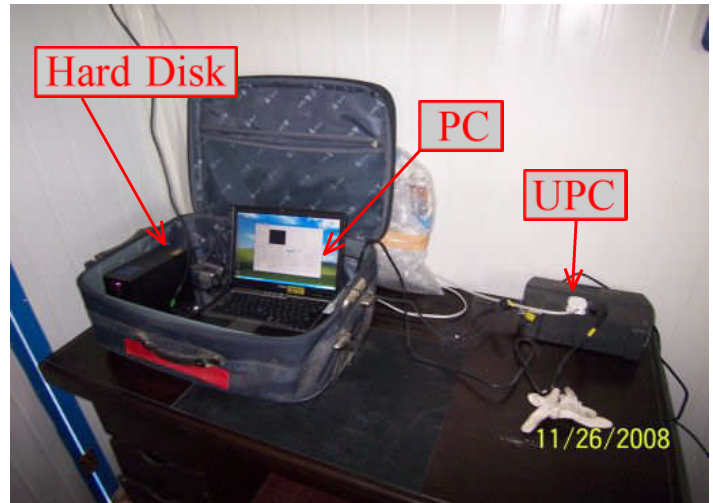
Cloud Monitor Tank at Shipping

⑫ put top base-plate with M1, Germanium window, and M2 spider reversely on the camera housing tube for shipping

- 15. pack cables and screws in a shipping box with other parts left at Karasu site.
- 16. pack the camera-control PC with hard disk and UPC.
- 17. finally confirm check items (this doc) to complete the disassemble.



⑮ pack cables and other parts left at Karasu



⑯ pack the camera-control PC with hard disk and UPC

Cautions:

When you treat **MIR camera**, handle the camera carefully, as it is fragile and valuable under control of export-permission. Also same caution is needed not to touch **Germanium window** on M1.

Parts List of Cloud Monitor Camera

P1) A camera housing tube with M1, Ge window, M2 spider inside	x 1
P2) M2 with a M2 stopper	x 1
P3) pulling Handles (set on the top plate)	x 2
P4) MIR Camera attachment base with three attachment plates	x 1
P5) a wooden base (set inside the camera tube)	x 1
P6) a plastic tube (attached at the bottom of the camera tube)	x 1
P7) foot plates for a camera housing tube	x 4 (= 2 + 2)
P8) support rods between a camera tube and foot plates	x 4
P9) a calibration rubber block with thermometer inside	x 1
P10) MIR camera , FLIR A40M Firewire	x 1
P11) a camera power unit	x 1
P12) a camera power cable	x 1
P13) a camera signal cable for the camera	x 1
P14) Note-PC	x 1
P15) Hard disk	x 1
P16) UPS	x 1
P17) screws of several types	many
P18) other parts left at Karasu and at Kashi	some