

October 2013

88631

New batch of items for conservation.

W:\Projects\London Gateway\London Gateway 2012\72439 Materials conservation and recording\72438 Conservation

NOTE: Hard copies of conservation records filed under 88630.

MAUSER PROGRESS IN SEPARATE DOCUMENT.

Aircraft Parts etc Tracking:

OBJECT	WA NUMBER	INTO FINDS	OUT OF FINDS	COMMENTS
oxygen cylinder	WA314	11.10.2013	15.01.2014	dry out only (may not survive)
heated clothing control	WA313	11.10.2013	31.07.2015	Box 4, from black crate on floor, three detached fragments - top of a rivet, small section of paint and a washer retained separately
compass	WA317	11.10.2013	31.07.2015	from black crate on floor, two small clips either from this or WA 313 retained separately
taxi number plate	WA1013	15.10.2013	15.05.2014	
part of handle mechanism	WA310	16.10.2013	20.11.2014	Box 2, fragment of iron strip and concreted loop with this item
shoe sole + upper frag	WA312	16.10.2013	16.01.2014	Box 1
small shoe sole + heel fragment	WA311	16.10.2013	16.01.2014	Box 1, has crepe sole
film frags	WA297	30.10.2013	15.01.2014	2 pieces
tag/ label	WA296	30.10.2013	20.11.2014	Box 2
sheet frag with attached label	WA302	30.10.2013	08.07.2015	Box 5, fragments of label detached – in box with object, couple fragments from this or WA307 retained separately
shell case	WA304	30.10.2013	15.05.2014	Box 2 – moved to Box A
sheet frag with circuit diagram	WA307	30.10.2013	21.01.2015	Box 5, clip detached during cleaning – in box with object, couple fragments from this or WA302 retained separately
dial frag with image of aeroplane	WA295	30.10.2013	21.01.2015	Box 2 – moved to own individual box
leather component	WA306	17.10.2013	16.01.2014	Box 1
compass	WA301	17.10.2013	26.11.2014	Box 3
cylindrical cockpit frag	WA300	18.10.2013	31.07.2015	Box 2 – moved to Box C, put into separate box
component	WA303	18.10.2013	14.10.2014	Box 2, two detached fragments of wire retained separately – moved to Box B
cockpit frag with switches	WA298	18.10.2013	08.07.2015	Box 3, length of wire, small spring and red light/ switch detached and retained separately – moved to Box C, put into separate box
cockpit frag with attached wire cabling	WA299	24.10.2013	20.11.2014	10 fragments possibly associated with this item
stud	(1516)	25.10.2013	15.05.2014	Box 3 – moved to Box A
small cylindrical component	(1507)	25.10.2013	15.05.2014	Box 3 – moved to Box A
shell case	WA305	25.10.2013	15.05.2014	Box 3 – moved to Box A
pipework	WA309	25.10.2013	08.07.2015	Box 4, thin aluminium tube attached to one end
pipework	WA308	25.10.2013	18.06.2014	Box 4, Bakelite fragment attached – moved to Box B
circular cover plate	WA213	31.10.2013	05.11.2013	dry
circular hatch	1520/54	31.10.2013	05.11.2013	dry, number does not correspond to list

Details aircraft etc:

DRY:

Circular cover plate WA213

Photo's: 1&2 after cleaning

01.11.2013: - loose material removed with a wooden point and brush.
- rinsed with 50:50 industrial methylated spirit (IMS)/ tap water and allowed to air dry.

Circular hatch 1520/54

Photo's: 1&2 after cleaning

01.11.2013: - loose material removed with a wooden point and brush.
- rinsed with 50:50 industrial methylated spirit (IMS)/ tap water and allowed to air dry.

Oxygen cylinder WA314

15.10.2013: - aluminium chloride pustules removed from surface with a wooden point.

- drying commenced under ambient conditions.

29.11.2013: - water draining from small hole at end of outlet pipe, cylinder tilted to allow drainage (will be slow).

06.12.2013: - hole in outlet pipe freed up and substantial quantity of milky liquid released.

15.01.2014: - no further liquid being produced.

WET:

Film frags WA297

Photo's: 1&2 before cleaning

30.10.2013: - loose iron deposits removed with a soft brush.
- into tap water to check salt levels.

05.11.2013: - salt levels checked, water changed for fresh tap water.

29.11.2013: - salt levels checked, water changed for fresh tap water.

20.12.2013: - salt levels checked, water changed for fresh tap water.

15.01.2014: - desalination complete, to be permanently stored in water.

Shoe sole + upper frag WA312

Photo's: 1&2 before cleaning
3&4 after cleaning

16.10.2013: - soft iron corrosion and silt removed with a wooden point and soft brush.

- into tap water for desalination.

05.11.2013: - salt levels checked, water changed for fresh tap water.

29.11.2013: - salt levels checked, water changed for fresh tap water.

20.12.2013: - salt levels checked, water changed for fresh tap water.

- 16.01.2014: - salt levels checked, water changed for fresh tap water.
- desalination complete, to be stored in water for the time being.

Small crepe sole + heel frag WA311

- Photo's: 1&2 before cleaning
3&4 after cleaning
- 16.10.2013: - soft iron corrosion and silt removed with a wooden point and soft brush.
 - into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - salt levels checked, water changed for fresh tap water.
 - desalination complete, to be stored in water for the time being.

Leather component WA306

- Photo's: 1&2 before cleaning
3&4 after cleaning
- 17.10.2013: - soft iron corrosion and silt removed with a wooden point and soft brush.
 - into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - salt levels checked, water changed for fresh tap water.
 - desalination complete, to be stored in water for the time being.

Taxi number plate WA1013

- Photo's: 1&2 before cleaning
3&4 after initial cleaning
5 after reduction of iron staining
6&7 after desalination and drying
- 16.10.2013: - loose iron corrosion removed with a wooden point and soft brush.
 - into tap water for desalination.
 - 17.10.2013: - temporarily removed from desalination bath, iron staining on front enamel reduced by swabbing with mild cleaning cream (Ciff).
 - 05.11.2013: - loose iron corrosion present on exposed surfaces (enamel side) removed.
 - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - soft iron corrosion present on enamelled surface (removed with soft brush).
 - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - soft iron corrosion present on enamelled surface, but less than previously (removed with soft brush).
 - salt levels checked, water changed for fresh tap water.

- 16.01.2014: - soft iron corrosion present on enamelled surface, but even less than before (removed with soft brush).
- salt levels checked, water changed for fresh tap water.
- 11.02.2014: - small amount of soft iron corrosion present on enamelled surface (removed with soft brush), placed into box enamel side down.
- salt levels checked, water changed for fresh tap water.
- 12.03.2014: - very little soft iron corrosion present (removed with soft brush), left enamel side down.
- salt levels checked, water changed for fresh tap water.
- 17.04.2014: - very little soft iron corrosion present (removed with soft brush), left enamel side down.
- salt levels checked, water changed for de-oxygenated tap water.
- 22.04.2014: - removed from water bath, air dried (2hr), then into box with buffering silica gel (50%RH) for permanent storage.

Stud (1516)

- Photo's: 1&2 before cleaning
3&4 after cleaning
5&6 after desalination and drying
- 25.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - salt levels checked, water changed for fresh tap water.
 - 11.20.2014: - salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - salt levels checked, moved to new box (A) in preparation for drying.
 - 17.04.2014: - salt levels checked, water changed for fresh tap water.
 - 22.04.2014: - removed from water bath, air dried (2hr), then into box with desiccating silica gel for permanent storage.

Small cylindrical component (1507)

- Photo's: 1&2 before cleaning
3&4 after cleaning
5-7 after desalination and drying
- 25.10.2013: - a small amount of soft concretion and iron corrosion removed using a wooden point and soft brush.
- into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - salt levels checked, moved to new box (A) in preparation for

drying.

- 17.04.2014: - salt levels checked, water changed for fresh tap water.
22.04.2014: - removed from water bath, air dried (2hr), then into box with buffering silica gel (50%RH) for permanent storage.

Shell case WA305

- Photo's: 1 before cleaning
2&3 after cleaning
4&5 after desalination and drying
- 25.10.2013: - a small amount of concretion removed using a wooden point.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
29.11.2013: - salt levels checked, water changed for fresh tap water.
20.12.2013: - salt levels checked, water changed for fresh tap water.
16.01.2014: - salt levels checked, water changed for fresh tap water.
11.02.2014: - salt levels checked, water changed for fresh tap water.
12.03.2014: - salt levels checked, moved to new box (A) in preparation for drying.
- 17.04.2014: - salt levels checked, water changed for fresh tap water.
22.04.2014: - removed from water bath, air dried (2hr), then into box with desiccating silica gel for permanent storage.

Shell case WA304

- Photo's: 1 before cleaning
2 after cleaning
3&4 after desalination and drying
- 30.10.2013: - aluminium chloride removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
29.11.2013: - salt levels checked, water changed for fresh tap water.
20.12.2013: - salt levels checked, water changed for fresh tap water.
16.01.2014: - salt levels checked, water changed for fresh tap water.
11.02.2014: - salt levels checked, water changed for fresh tap water.
12.03.2014: - salt levels checked, moved to new box (A) in preparation for drying.
- 17.04.2014: - salt levels checked, water changed for fresh tap water.
22.04.2014: - removed from water bath, air dried (2hr), then into box with desiccating silica gel for permanent storage.

Pipework WA308

- Photo's: 1 before cleaning
2 after cleaning
3&4 after desalination and drying
- 25.10.2013: - some concretion removed using a wooden point and dental tool.
- into tap water for desalination.

- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - possible slight algal growth in box.
- salt levels checked, water changed for fresh tap water.
- 16.01.2014: - salt levels checked, water changed for fresh tap water.
- 11.02.2014: - salt levels checked, water changed for fresh tap water.
- 12.03.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 17.04.2014: - salt levels checked, moved to separate box (B) in preparation for drying.
- 13.05.2014: - removed from water bath, air dried (over night), then into box with buffering silica gel (50%RH) for permanent storage.

Component WA303

- Photo's: 1&2 before cleaning
3&4 after cleaning
5&6 after desalination and drying
7-9 damage as dielectric expanded
10&11 after reconstruction
- 18.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - small amount of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 17.04.2014: - some aluminium chloride present (removed).
- salt levels checked, moved to separate box (B) in preparation for drying.
 - 13.05.2014: - removed from water bath, air dried (2hr), then into box with buffering silica gel (50%RH) for control drying.
 - 28.05.2014: - between 70% and 50%RH, the dielectric packing inside the Bakelite cylinders has expanded(?) and turned to dust, causing cracking in the Bakelite cylinders.
 - 30.07.2014: - material still inside Bakelite cylinders consolidated with 3% 'Mowital' (poly vinyl butyral) in industrial methylated spirit. Loose material retained separately.
 - 02.10.2014: - Bakelite cylinders re-attached with 'Paraloid B72' (acrylic co-polymer). Boxed separately with buffering silica gel (50%RH) for permanent storage.

Cockpit frag with attached wire cabling WA299

- Photo's: 1-4 before cleaning
5-8 after cleaning + associated fragments
9-12 after desalination and drying

- 24.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - some aluminium chloride in the bottom of box, but not obvious on object.
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - much aluminium chloride growing (removed).
- another piece of casing detached.
- salt levels checked, water changed for fresh tap water.
- 16.01.2014: - quantities of aluminium chloride floating in water but not obvious on object.
- salt levels checked, water changed for fresh tap water.
- 11.02.2014: - small amount of aluminium chloride on casing (removed).
- salt levels checked, water changed for fresh tap water.
- 12.03.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 17.04.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 28.05.2014: - much aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.06.2014: - small spots of aluminium chloride present on casing (removed).
- salt levels checked, water changed for fresh tap water.
- 30.07.2014: - few tiny spots of aluminium chloride (removed).
- salt levels checked, water changed for fresh tap water.
- 26.08.2014: - salt levels checked, water changed for fresh tap water.
- 29.09.2014: - removed from water bath, slowly air dried over 3 weeks.
- 03.11.2014: - at 60-70%RH into buffered storage for the final drying out to 50%RH. Stable stored at 50%RH.

Compass WA301

- Photo's: 1-3 before cleaning
 4-6 after cleaning
 7&8 after desalination and drying
- 17.10.2013: - aluminium chloride and some concretion removed from surface with a wooden point and dental tool.
- into tap water for desalination.
 - 05.11.2013: - small quantity of aluminium chloride pustules growing.
- salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - some aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - very little aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.

- 17.04.2014: - very small amount of aluminium chloride present on dial (removed).
- salt levels checked, water changed for fresh tap water.
- 28.05.2014: - very small amount of aluminium chloride present on dial (removed).
- salt levels checked, water changed for fresh tap water.
- 26.06.2014: - one spot of aluminium chloride present on dial (removed).
- salt levels checked, water changed for fresh tap water.
- 30.07.2014: - few tiny spots of aluminium chloride present on dial (removed).
- some loose iron corrosion present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.08.2014: - salt levels checked, water changed for fresh tap water.
- 02.10.2014: - water changed for fresh tap water.
- 14.10.2014: - removed from water bath, slowly air dried over 3 weeks.
- 03.11.2014: - at 60-70%RH small areas of aluminium chloride bubbling out through holes in the casing (removed). Into buffered storage for the final drying out to 50%RH. Stable stored at 50%RH.

Part of handle mechanism WA310

- Photo's: 1-5 before cleaning
6-9 after cleaning
10&11 after desalination and drying
- 17.10.2013: - some corrosion and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - small amounts of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - small amounts of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - salt levels checked, water changed for fresh tap water.
 - 17.04.2014: - small amounts of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 28.05.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 26.06.2014: - few spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 30.07.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 26.08.2014: - some areas of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 29.09.2014: - small spot aluminium chloride present (removed).
- salt levels checked, water changed for fresh tape water.
 - 14.10.2014: - removed from water bath, slowly air dried over 3 weeks.
 - 03.11.2014: - at 60-70%RH into buffered storage for the final drying out to 50%RH. Permanently stable stored at 50%RH.

Tag/ label WA296

- Photo's: 1&2 before cleaning
3&4 after cleaning
5&6 after desalination and drying
- 30.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - small amount of aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
- 16.01.2014: - spots of aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- 11.02.2014: - spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 12.03.2014: - small amount of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 17.04.2014: - small amount of aluminium chloride present (removed).
- 28.05.2014: - some hard aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.06.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 30.07.2014: - some spots of aluminium chloride present at one end (removed).
- salt levels checked, water changed for fresh tap water.
- 26.08.2014: - few small spots of aluminium chloride present at one end (removed).
- salt levels checked, water changed for fresh tap water.
- 29.09.2014: - few small spots of aluminium chloride present at one end (removed).
- salt levels checked, water changed for fresh tap water.
- 14.10.2014: - removed from water bath, slowly air dried over 3 weeks.
- 03.11.2014: - into box with desiccating silica gel for permanent dry storage.

Dial frag with image of aircraft WA295

- Photo's: 1&2 before cleaning
3&4 after cleaning
5 after desalination and drying
- 30.10.2013: - aluminium chloride and soft concretion removed using a wooden point.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - small amount of aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.

- 16.01.2014: - spots of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
- 11.02.2014: - spots of aluminium chloride more extensive (removed).
- object very fragile, boxed separately with fresh tap water.
- 12.03.2014: - many small dots of aluminium chloride growing (removed).
- very fragile.
- salt levels checked, water changed for fresh tap water.
- 17.04.2014: - now in three pieces.
- many small dots of hard aluminium chloride (removed where possible).
- salt levels checked, water changed for fresh tap water.
- 28.05.2014: - much hard aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.06.2014: - many small hard spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 30.07.2014: - many small spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.08.2014: - many small spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 29.09.2014: - many small spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 31.10.2014: - many small spots of aluminium chloride present (removed).
- water changed for fresh tap water.
- 18.12.2014: - many small spots of granular aluminium chloride present (removed).
- water changed for fresh tap water.
- 09.01.2015: - many small spots of granular aluminium chloride present (removed).
- water changed for fresh tap water.
- 13.01.2015: - removed from water bath, slowly dried over 2 weeks with buffering silica gel.
- 21.01.2015: - Permanently stable stored at 50%RH.

Sheet frag with circuit diagram WA307

- Photo's: 1-3 before cleaning
4-6 after cleaning
7 after desalination and drying
- 30.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - some aluminium chloride still growing,
 - 29.11.2013: - some aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - some aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.

- 11.02.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 12.03.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 17.04.2014: - much aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 28.05.2014: - some aluminium chloride present (removed).
- part of clip has delaminated away from rest.
- salt levels checked, water changed for fresh tap water.
- 26.06.2014: - much aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 30.07.2014: - some spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.08.2014: - some spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 29.09.2014: - several spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 31.10.2014: - several areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 18.12.2014: - several areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 09.01.2015: - several areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 13.01.2015: - removed from water bath, slowly dried over 2 weeks with buffering silica gel.
- 21.01.2015: - Permanently stable stored at 50%RH.

Pipework WA309

- Photo's: 1 before cleaning
2 after cleaning
3&4 after desalination and drying
- 25.10.2013: - some concretion removed using a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - possible slight algal growth in box.
- salt levels checked, water changed for fresh tap water.
- 16.01.2014: - salt levels checked, water changed for fresh tap water.
- 11.02.2014: - small amount of aluminium chloride present (removed)
- salt levels checked, water changed for fresh tap water.
- 12.03.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 17.04.2014: - some aluminium chloride present (removed).
- 28.05.2014: - small amount of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.06.2014: - one patch of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 30.007.2014: - one patch of aluminium chloride present on pipework

- (removed).
- 26.08.2014: - salt levels checked, water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 29.09.2014: - salt levels checked, water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 31.10.2014: - salt levels checked, water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 18.12.2014: - water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 09.01.2015: - water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 06.02.2015: - water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 19.03.2015: - water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 24.04.2015: - water changed for fresh tap water.
- one patch of aluminium chloride present on pipework (removed).
- 20.05.2015: - water changed for fresh tap water.
- removed from water bath, slowly dried over 7 weeks with buffering silica gel.
- 08.07.2015: - permanently stable stored at 50% RH.

Sheet frag with attached label WA302

- Photo's: 1&2 before cleaning
3&4 after cleaning
5&6 after desalination and drying
- 30.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - aluminium chloride growing underneath label (removed).
- salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - extensive aluminium chloride growing underneath label and causing disruption.
- fragments of label retained separately in crystal box, but still in box 5.
- salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - some aluminium chloride present underneath label (removed).

- 17.04.2014: - salt levels checked, water changed for fresh tap water.
- 17.04.2014: - much aluminium chloride present underneath label (removed).
- 28.05.2014: - salt levels checked, water changed for fresh tap water.
- 28.05.2014: - much aluminium chloride but only beneath label (removed).
- 26.06.2014: - salt levels checked, water changed for fresh tap water.
- 26.06.2014: - much aluminium chloride present beneath label (removed).
- 30.07.2014: - salt levels checked, water changed for fresh tap water.
- 30.07.2014: - much aluminium chloride present beneath label (removed).
- 26.08.2014: - salt levels checked, water changed for fresh tap water.
- 26.08.2014: - much aluminium chloride present beneath label (removed).
- 29.09.2014: - salt levels checked, water changed for fresh tap water.
- 29.09.2014: - much aluminium chloride present beneath label (removed).
- 31.10.2014: - salt levels checked, water changed for fresh tap water.
- 31.10.2014: - much aluminium chloride present beneath label (removed).
- 18.12.2014: - water changed for fresh tap water.
- 18.12.2014: - much aluminium chloride present beneath label (removed).
- 09.01.2015: - water changed for fresh tap water.
- 09.01.2015: - much aluminium chloride present beneath label (removed).
- 06.02.2015: - water changed for fresh tap water.
- 06.02.2015: - much aluminium chloride present beneath label (removed).
- 19.03.2015: - water changed for fresh tap water.
- 19.03.2015: - much aluminium chloride present beneath label (removed).
- 24.04.2015: - water changed for fresh tap water.
- 24.04.2015: - much aluminium chloride present beneath label (removed).
- 20.05.2015: - removed from water bath, slowly dried over 7 weeks.
- 08.07.2015: - into box with desiccating silica gel for permanent storage.

Cockpit frag with switches WA298

- Photo's: 1-3 before cleaning
 4-6 after cleaning
 7 number revealed inside casing
 8&9 after desalination and drying out
 10 associated fragments after desalination and drying out
- 24.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
 - 24.10.2013: - into tap water for desalination.
 - 05.11.2013: - salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - hard lump of chloride corrosion products floated off.
 - 16.01.2014: - salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - small amount of aluminium chloride present (removed).
 - 12.03.2014: - salt levels checked, water changed for fresh tap water.
 - 17.04.2014: - small amount of aluminium chloride present (removed).
 - 17.04.2014: - salt levels checked, water changed for fresh tap water.
 - 28.05.2014: - some aluminium chloride present (removed).
 - 28.05.2014: - salt levels checked, water changed for fresh tap water.

- 26.06.2014: - side panel has become detached (revealing id. number).
- some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 30.07.2014: - some spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.08.2014: - few small areas of aluminium chloride (removed).
- salt levels checked, water changed for fresh tap water.
- 02.10.2014: - few small areas of aluminium chloride (removed).
- water changed for fresh tap water.
- 31.10.2014: - few areas of aluminium chloride (removed).
- salt levels checked, water changed for fresh tap water.
- 18.12.2014: - some areas of aluminium chloride (removed).
- salt levels checked, water changed for fresh tap water.
- 09.01.2015: - few spots of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 05.02.2015: - some areas of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 18.03.2015: - several areas of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 10.04.2015: - salt levels checked.
- 24.04.2015: - several areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 20.05.2015: - removed from water bath, slowly dried over 7 weeks with buffering silica gel.
- 08.07.2015: - permanently stable stored at 50%RH.

Heated clothing control WA313

- Photo's: 1&2 before cleaning
3&4 after cleaning
5&6 after desalination and drying out
- 15.10.2013: - aluminium chloride pustules and some soft concretion removed from surface with a wooden point.
- into tap water for desalination.
 - 05.11.2013: - aluminium chloride pustules growing.
- salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - some aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - possible slight algal growth in box.
- some aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - large lumps of aluminium chloride growing around lock (removed).
- salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - extensive aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 17.04.2014: - much aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.

- 28.05.2014: - much aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.06.2014: - much aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 30.07.2014: - several larger patches of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 26.08.2014: - several large patches of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 29.09.2014: - several large patches of aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
- 31.10.2014: - several small areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 18.12.2014: - much aluminium chloride present (removed).
- water changed for fresh tap water.
- 09.01.2015: - few large spots of aluminium chloride present (removed).
- water changed for fresh tap water.
- 06.02.2015: - few large spots of aluminium chloride present (removed).
- water changed for fresh tap water.
- 19.03.2015: - several large spots of aluminium chloride present (removed).
- water changed for fresh tap water.
- 24.04.2015: - several large spots of aluminium chloride present (removed).
- water changed for fresh tap water.
- 20.05.2015: - removed from water bath, slowly dried over 8 weeks with buffering silica gel.
- 31.07.2015: - permanently stable stored at 50%RH.

Compass WA317

- Photo's: 1-4 before cleaning
 5-8 after cleaning
 9-11 after desalination and drying
- 15.10.2013: - aluminium chloride pustules and some concretion removed from surface with a wooden point and dental tool.
 - 16.10.2013: - into tap water for desalination.
 - 05.11.2013: - water cloudy and full of debris, some small aluminium chloride pustules developing.
- rinsed with tap water.
- salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - some aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- some aluminium chloride still growing (removed).
- chloride levels not checked, but water changed for fresh tap water.
 - 16.01.2014: - substantial quantities of aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 11.02.2014: - some aluminium chloride present (removed).
- salt levels checked, water changed for fresh tap water.
 - 12.03.2014: - some aluminium chloride present (removed).

- 17.04.2014: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present (removed).
- 28.05.2014: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present (removed).
- 26.06.2014: - salt levels checked, water changed for fresh tap water.
- small amount of aluminium chloride present (removed).
- 30.07.2014: - salt levels checked, water changed for fresh tap water.
- some patches of aluminium chloride present (removed).
- small fragment of glass has floated off.
- 2 patches of copper corrosion visible but not apparently active (possibly from beneath lost surface).
- 26.08.2014: - salt levels checked, water changed for fresh tap water.
- some small patches of aluminium chloride present (removed).
- 29.09.2014: - salt levels checked, water changed for fresh tap water.
- some patches of aluminium chloride (removed).
- 31.10.2014: - salt levels checked, water changed for fresh tap water.
- few areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 18.12.2014: - few areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 09.01.2015: - few areas of aluminium chloride present (removed).
- water changed for fresh tap water.
- 06.02.2015: - few small areas of aluminium chloride present (removed).
- sediment still appearing in bottom of container.
- water changed for fresh tap water.
- 19.03.2015: - few small areas of aluminium chloride present (removed).
- some sediment in bottom of container.
- water changed for fresh tap water.
- 24.04.2015: - few small areas of aluminium chloride present (removed).
- some sediment in bottom of container and inside compass itself (removed).
- water changed for fresh tap water.
- 20.05.2015: - removed from water bath, slowly dried over 8 weeks with buffering silica gel.
- 31.07.2015: - permanently stable stored at 50%RH.

Cylindrical cockpit frag WA300

- Photo's: 1-3 before cleaning
4-6 after cleaning
7-9 after desalination and drying out
- 18.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
 - 05.11.2013: - small amount of aluminium chloride pustules growing.
- salt levels checked, water changed for fresh tap water.
 - 29.11.2013: - salt levels checked, water changed for fresh tap water.
 - 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.
 - 16.01.2014: - substantial amounts of aluminium chloride growing inside the

- dial (removed).
- 11.02.2014: - salt levels checked, water changed for fresh tap water.
- aluminium chloride present (removed).
 - 12.03.2014: - salt levels checked, water changed for fresh tap water.
- small amount of aluminium chloride present (removed).
 - 17.04.2014: - salt levels checked, water changed for fresh tap water.
 - 28.05.2014: - much aluminium chloride present (removed).
- band detached.
 - 26.06.2014: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present (removed).
 - 30.07.2014: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket (removed).
 - 26.08.2014: - salt levels checked, water changed for fresh tap water.
- some small areas of aluminium chloride, mainly around the washers (removed).
 - 29.09.2014: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket (removed).
 - 31.10.2014: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket (removed).
 - 18.12.2014: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket (removed).
 - 09.01.2015: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket (removed).
 - 05.02.2015: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket (removed).
 - 18.03.2015: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket (removed).
 - 10.04.2015: - salt levels checked.
 - 24.04.2015: - salt levels checked, water changed for fresh tap water.
- some aluminium chloride present, mainly under gasket and on band (removed).
 - 20.05.2015: - water changed for fresh tap water.
- removed from water bath, slowly dried over 8 weeks with buffering silica gel.
 - 31.07.2015: - permanently stable stored at 50%RH.

Chloride monitoring:

Using 1% silver nitrate, comparing sample with tap water.

If tap water = 1:

Date	box 1	box 2	box 3	box 4	box 5	295	297	299	317	1013
05.11.2013	0.5	1.5	1	1.5	1.5		1.5	2	3	0.5
29.11.2013	0.5	1	1	1	1		1	1	1.5	1
20.12.2013	1	2	1	1	2		2	1	?	1
16.01.2014	0.5	1	1.5	1.5	1.5		finished	1.5	0.5	1
11.02.2014	finished	0.5	1	2	2	IN		2	0.5	1
12.03.2014		1.5	2	2	1.5	1.5		1.5	1	1.5
17.04.2014		1.5	1.5	1.5	1.5	1.5		1.5	1.5	1
										finished
28.05.2014		1	1	1	1	1		1	1	
26.06.2014		1	1	1	1	1		1	1	
30.07.2014		1	1	1	1	1		1	1	
29.09.2014		1	no reading	1	1	1		finished	1	
		Now Box C		finished	finished					
30.10.2014		1.5								
05.12.2014		1.5								
08.01.2015		1.5								
13.01.2015		298	300			finished				
05.02.2015		2	1.5							
18.03.2015		1	1							
10.04.2015		1	1							
20.05.2015		finished	finished						finished	

17.04.2014: Box A: 1

Notes:

29.11.2013. Water taken from top of baths. Need to take from bottom next time to see if chlorides accumulating there.

28.05.2014. Chloride levels appear to be comparable to tap water, but aluminium chloride still exuding from all items to some degree.

26.06.2014. Same situation as for 28.05.2014.

30.07.2014. As for 28.05.2014.

26.08.2014 onwards: As for 28.05.2014.