

## NOAA CSD chemical list for Rocky Mountain Metro Airport, March and April, 2008

<b>Instrument</b>	<b>Chemical</b>	<b>amount</b>
<b>CCNC</b> (Sta. 2 fwd.)	Ammonium Sulfate	500 g
	Sodium Chloride	500 g
	Distilled Water	16 L
	n-Butanol	1 L
	Methanol	1 L
	Compressed Air	280 g
	Silica Gel	2 kg
	85Kr beta air ionizer	2 mCi
<b>CRD-AES</b> (Sta. 2)	compressed air	1 x 150 ft3
	pure carbon dioxide	1 x 150 ft3
	Molecular Sieve	1000g
	Ammonium Sulfate	25g
	Succinic Acid	25g
	Magnesium Chloride	25g
	Sodium Chloride	25g
	Potassium Sulfate	1000g
	Acetone	0.25 L
	Methanol	0.25 L
	Techni-ToolTech Duster	1136 g
Polystyrene Spheres	250 ml	
<b>LTI, UHSAS, &amp; NMASS</b> (FD, Sta. 2, & AMPS pod)	Ammonium sulfate	<300 g
	methanol	0.1 L
	Acetone	0.1 L
	Vacuum grease	90 ml
	RTV108	90 ml
	Nitrogen	1 x 150 ft3, 1 x 50 ft3
	Loctite 242	10 ml
	Silica Gel	<2 kg
	Polystyrene latex spheres	<200ml
	Fluorinert FC-43 100%	<200 ml
	Themalcote	40 ml
	Dow-Corning 3140 RTV	90 ml
	210Po alpha air ionizer	<20 mCi
<b>NOy/O3/CO2</b> (Sta. C3X)	Carbon monoxide	117 ft3
	Nitric oxide	56 ft3
	Oxygen	514 ft3
	1.5 ppm Nitric oxide (NO) in N2	30 ft3
	Air	1300 ft3, 3x11ft3, 6x7 ft3
	Water	4 L
	Dry ice (solid CO <sub>2</sub> )	250 lbs
	Activated charcoal	750 grams
	Zinc sulfide	25 grams
	N-150 environmental catalyst	1000 g
	Magnesium perchlorate	100 g
Ascarite II	100 g	

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<b>AMS</b> (Sta. 3)	Ammonium Nitrate	20 g
	Methanol	0.5 L
	n-butanol	1 L
	Isopropanol	1 L
	Compressed air	1 x 50 ft <sup>3</sup>
	Apiezon L Grease	25 g
	Mini-Buck Soap Solution	100 ml
	Snoop	100 ml
	Silica Gel	2 kg
	CO <sub>2</sub>	3 x 5.6 ft <sup>3</sup>
<b>PILS</b> (Sta. 3)	Lithium fluoride	25 g
	Glycerin	160 ml
	Methanol	4 L
	2% sodium carbonate in methanol/water	1 L
	2% phosphoric acid in methanol/water	1 L
<b>PANs</b> (Sta. 5)	Methyl iodide 0.1% in N <sub>2</sub>	2 x 30 ft <sup>3</sup>
	Acetone	1 L
	210Po alpha air ionizer	20mCi (x2 units)
	20 ppm acetone in air	2x 30 ft <sup>3</sup>
<b>SO<sub>2</sub></b> (Sta. 6)	SO <sub>2</sub> 10 ppmv in nitrogen	30 ft <sup>3</sup>
	Potassium permanganate/molecular sieve	50 grams
	Compressed Air	180 ft <sup>3</sup>
	Techni-ToolTech Duster	284 g
	activated charcoal	200 grams
	Krytox grease	56.7 grams
<b>Halogens/SO<sub>2</sub></b> (Sta. 7, LIPF)	Ethanol	4 L
	Loctite 242	1 g
	Baking Soda	1 box
	Ammonia	171 g
	210Po alpha air ionizer	20 mCi (2 units)
	Water	4 L
	Busch 580 pump oil	3 qts
	Bromine	0.25 ml
	Nitric Acid	0.25 ml
	Activated Charcoal	500 g
	Nitrogen, refrigerated liquid	160 L
	Nitrogen	2 x 150 ft <sup>3</sup> , 1 x 50 ft <sup>3</sup>
	Techni-tool Tech Duster	284 g
	2.5% Sulfur Hexafluoride in nitrogen	< 1 ft <sup>3</sup>
1 ppm Sulfur dioxide in N <sub>2</sub>	30 ft <sup>3</sup>	
<b>Zaphrod</b> (J Cab.)	Drierite	20 g
	Loctite 242	10 g
	Acetone	0.01 L
	Windex	1 L

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	Methanol	0.01 L
	Apiezon vacuum grease	100 g
	Isopropanol	0.1 L
<b>SP2</b> (Sta. 4)	Black carbon powders	20g
	Devcon Five Minute Epoxy	50g
	ethanol	0.5 L
	methanol	0.05 L
	Deionized water	2 L
	Krazy glue	5g
	Aeroduster compressed air	2 cans
	Polystyrene latex spheres	20g
	isopropanol	0.4 L
	Compressed air	1 x 50 ft3, 1 x 150 ft3
<b>PALMS</b> (AMPS pod)	acetone	0.5 L
	methanol	0.5 L
	isopropanol	0.5 L
	Argon	2x 50 ft3
	Fluorine/Argon/Neon gas mixture	2x 50ft3
	Tech Duster	852 g
	EPK 1C hardener and resin	4 oz
	Devcon 5 min epoxy	25 ml
	Loctite 242	10 ml
	circuitworks conductive epoxy	14 g
	Dow high vacuum grease	2 oz
	RTV 3145	3 oz
	Strippable cleaner and protective coating	16 oz
	liquid tape	4 oz
	Red insulating varnish	2 oz
	polymer microsphere solution	60 ml
	Circuitworks conductive grease	6.5 g
	RTV 162	2.8 oz
	LensBond optical cement	2 oz
	soda lime	300 g
	Arctic Silver thermal adhesive	7 g
	Hysol E-120HP Epoxy Adhesive	50 ml
<b>CO</b> (CO pod)	CO 10 ppmv in air	5.4 ft3
	compressed air	5.4 ft3
	CO2 0.25% in Ar	5.4 ft3
	R3-11G CuO catalyst	25 grams
<b>SSFR</b> (Sta. 5)	RTV108	80 ml
<b>PTRMS</b> (Sta 8)	Water	0.5 L
	Torr-Seal	100 ml
	Activated Charcoal	1 L