

## 40 METER TASKLIST

VERSION 0.92

14-Feb-01

Task	Completion Date	Responsible Parties
1 PSL		
1.1 Write SOP/safety document	23-Feb	Steve
1.2 Receive, install PSL isolation transformer	23-Feb	Fred, Steve
1.3 Install warning lights	1-Mar	Ben
1.4 Wire shutdown push-buttons	1-Mar	Ben
1.5 Layout power to PSL racks	1-Mar	Jay, Ben, Steve, Fred
1.6 Install breaker for HEPA filters	1-Mar	Jay, Ben, Steve, Fred
1.7 Begin main PSL installation	1-Mar	Peter King and friends
2 Vacuum System		
2.1 Mode Cleaner Envelope		
2.1.1 Two "T" viewport sections arrive	1-Mar	n/a
2.1.2 Adjustable bellows arrive	1-Mar	n/a
2.1.3 Zero-length adapter arrives	1-Mar	n/a
2.1.4 New IOC door arrives	15-Mar	n/a
2.1.5 Setup ovens in 40m lab	15-Mar	Steve
2.1.6 Bellows baked at LLO	15-Mar	Steve, LLO
2.1.7 All other pieces baked at 40m	15-Mar	Steve
2.1.8 Assemble vacuum envelope	1-Apr	Steve, Dennis, Guillaume
2.1.9 Install CCMC in end chamber	1-Apr	Steve, Dennis, Guillaume
2.2 Ion Pumps		
2.2.1 Pumps regenerated at Varian (Note C)	16-Feb	Steve, Dennis
2.2.2 Bake pipe sections at 40m	23-Feb	Steve
2.2.3 Reassemble ion pumps	23-Feb	Steve, Dennis
2.2.4 Assemble annulus pipe sections	23-Feb	Steve, Dennis, Guillaume
2.2.5 Reinstall ion pumps	1-Mar	Steve, Dennis, Guillaume
2.3 Vacuum Controls		
2.3.1 Acquire two ribbon cables	1-Mar	Dennis, Ben
2.3.2 Wire +24V power supply	1-Mar	Dennis, Ben
2.3.3 Complete EPICS code	1-Mar	Dennis
2.3.4 Commission controls system	1-Mar	Dennis, Ben, Steve
2.4 Miscellaneous		
2.4.1 Get 4 optical quality windows for OOC, MC	1-Mar	Steve
2.4.2 Get AR coating for all windows	1-Mar	Steve
2.4.3 Rebuild nitrogen line, install PN2	1-Mar	Steve, Dennis
2.4.4 Test new RGA, decide which to install	15-Mar	Steve
2.4.5 Purchase LIGO-like calibrated leaks	15-Mar	Steve
3 Building Renovation		
3.1 Control Room		
3.1.1 Acquire furniture (Note A)	16-Feb	Ben
3.1.2 Install furniture	15-Apr	Ben, Dennis, Steve
3.2 Contractor Punch List		
3.2.1 Relocate fire alarm pull to new entry room	23-Feb	Fred, Steve
3.2.2 Install smoke detector in new entry room	23-Feb	Fred, Steve
3.2.3 Fill, seal around pipes through CES wall	23-Feb	Fred, Steve
3.2.4 Touch up paint on CES wall	23-Feb	Fred, Steve
3.2.5 Replace ceiling tiles in North Annex	23-Feb	Fred, Steve
3.2.6 Replace damaged incand. light fixtures	23-Feb	Fred, Steve
3.2.7 Remove old, protruding plumbing	23-Feb	Fred, Steve

3.2.8	Seal under new entry door	23-Feb	Fred, Steve
3.2.9	Paint outside of closed-off door	23-Feb	Fred, Steve
3.2.10	Seal ceiling at vertex to reduce dust	23-Feb	Fred, Steve
3.2.11	Seal north wall to reduce dust	23-Feb	Fred, Steve
3.2.12	Seal closed-off north door at vertex	23-Feb	Fred, Steve
3.2.13	Cover electrical junction boxes	23-Feb	Fred, Steve
3.2.14	Cover vertex sink vent hole on ceiling	23-Feb	Fred, Steve
3.2.15	Paint AC duct at CES wall	23-Feb	Fred, Steve
4	Electronics and Computing		
4.1	Computers		
4.1.1	Setup rana as gateway (Note B)	16-Feb	Dennis, Lisa
4.1.2	Setup asterope to compile EPICS	1-Mar	Dennis
4.2	Racks		
4.2.1	Setup rack internals, bolt pairs together	20-Feb	Ben, Dennis, Jay
4.2.2	Bolt racks to floor	20-Feb	Ben, Dennis
4.2.3	Crates arrive	1-Mar	Jay
4.2.4	Modules, electronics for mini-DAQ arrive	1-Mar	Jay, Rolf
4.2.5	Assemble, install mini-DAQ	1-Mar	Jay, Rolf, Dennis, Ben
4.2.6	Acquire PEM stuff (weather stations, etc)	15-Mar	Dennis, Steve, Ben
4.2.7	Wire up PEM signals to mini-DAQ	15-Mar	Dennis, Ben
4.3	STACIS		
4.3.1	Redo transfer functions	1-Apr	Dennis, Eric L.
4.3.2	Tune loop gains	1-Aug	Dennis, Eric L.

Notes:

A -- Order ready to go once it's decided where the money's coming from

B -- NIC card installed, Lisa B. now setting up rana to use private "Martian" 113 subnet