

Alignment Technician Securing Checklist S-AB-P-132 Rev F

Intent: This checklist is to be used by the ALT to transition from Watch Condition 2 to Watch Condition 1 (over-night / week-end or maintenance) securing of the Beamlines subsystem.

Checklist: *(To be filed with the SD at the end of the watch.)*

1	On the TAS, ensure the UV-DBS beam dumps are inserted in the beamline. If not, direct the BLO to insert them and monitor their descent. <table border="1" style="margin: 10px auto; border-collapse: collapse;"> <tr><td style="padding: 2px;">BL1</td><td style="text-align: center; width: 20px;"><input type="checkbox"/></td></tr> <tr><td style="padding: 2px;">BL2</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td style="padding: 2px;">BL3</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td style="padding: 2px;">BL4</td><td style="text-align: center;"><input type="checkbox"/></td></tr> </table>	BL1	<input type="checkbox"/>	BL2	<input type="checkbox"/>	BL3	<input type="checkbox"/>	BL4	<input type="checkbox"/>	<input type="checkbox"/>																																																			
BL1	<input type="checkbox"/>																																																												
BL2	<input type="checkbox"/>																																																												
BL3	<input type="checkbox"/>																																																												
BL4	<input type="checkbox"/>																																																												
2	From the IR-DBS structure, walk the beamlines from north to south to north and ensure that the enclosure doors are closed on the following devices (indicate any non-conformance below). <table border="1" style="margin: 10px auto; border-collapse: collapse; width: 100%;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">DM</th> <th colspan="2">SP-POL</th> <th colspan="2">PEPC</th> <th colspan="2">LM2</th> </tr> <tr> <th>Open</th> <th>Closed</th> <th>Open</th> <th>Closed</th> <th>Open</th> <th>Closed</th> <th>Open</th> <th>Closed</th> </tr> </thead> <tbody> <tr><td>BL1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>BL2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>BL3</td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td></tr> <tr><td>BL4</td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		DM		SP-POL		PEPC		LM2		Open	Closed	Open	Closed	Open	Closed	Open	Closed	BL1									BL2									BL3									BL4									<input type="checkbox"/>						
	DM		SP-POL		PEPC		LM2																																																						
	Open	Closed	Open	Closed	Open	Closed	Open	Closed																																																					
BL1																																																													
BL2																																																													
BL3																																																													
BL4																																																													
3	With permission of the BLO, turn OFF these lasers*. Note below if any are intentionally left ON. <table border="1" style="margin: 10px auto; border-collapse: collapse; width: 80%;"> <thead> <tr> <th rowspan="2"></th> <th>Procedure</th> <th colspan="2">BL1</th> <th colspan="2">BL2</th> <th colspan="2">BL3</th> <th colspan="2">BL4</th> </tr> <tr> <th>S-AB-P-</th> <th>Off</th> <th>On</th> <th>Off</th> <th>On</th> <th>Off</th> <th>On</th> <th>Off</th> <th>On</th> </tr> </thead> <tbody> <tr><td>IRAT</td><td>-041</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>SPDP</td><td>-043</td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td>UVAT</td><td>-151</td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td>PAD</td><td>-109</td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> </tbody> </table> <p style="margin-top: 10px;"> • Note: Laser operator qualification is required to operate each source. (continues) </p>		Procedure	BL1		BL2		BL3		BL4		S-AB-P-	Off	On	Off	On	Off	On	Off	On	IRAT	-041									SPDP	-043									UVAT	-151									PAD	-109									<input type="checkbox"/>
	Procedure		BL1		BL2		BL3		BL4																																																				
	S-AB-P-	Off	On	Off	On	Off	On	Off	On																																																				
IRAT	-041																																																												
SPDP	-043																																																												
UVAT	-151																																																												
PAD	-109																																																												



4	<p>Sweep the Laser, Target Bay and OAA using the attached plan:</p> <ul style="list-style-type: none"> • If no high yield shots are planned on OMEGA remove the closed access signs on the TAS and GCC. • Inform the BLO and the SD that the Bay is secure, no one is remaining. Or, list the names of persons remaining file this checklist. (At least <i>two</i> must be in the Bay after the end of the Operations.) 	<input type="checkbox"/>
5	Sign this checklist and hand it to the SD before leaving.	<input type="checkbox"/>
(done)		

ALT: _____ **BLO:** _____ **SD:** _____

Date/Time: _____

Names of anyone left in the Bay:

1. _____
2. _____
3. _____
4. _____

Document Release:

ALT Securing Checklist, S-AB-P-132

This document is a component of Vol. IX OMEGA EP System Startup and Shut Down, Chapter 4, Beamlines Operating Procedures, S-AB-P-013.

Approval for release of this document into the PDM system was granted by:

- S. Loucks; Director, LLE Engineering Division
- S. Morse; OMEGA EP Project Manager
- J. Edwards; OMEGA EP System Engineer
- M. Moore; Beamlines Manager

Map for sweep route:

