

# September 2005

## Overview of Alignment Engineering Group Downtime Activities

| Week Number | Sunday | Monday  | Tuesday  | Wednesday  | Thursday   | Friday   | Saturday |
|-------------|--------|---|--|--|--|--|----------|
| -5          |        |   |  |  | 1<br>▶ SPEAR3<br>• BL10 Out of Alcove Comps<br>• BL6 New Stoppers, BTM   | 2<br>▶ SPEAR3<br>• BL6 New Stoppers, BTM<br>• BL10 Out of Alcove Comps   | 3        |
| -4          | 4      | 5<br>Labor Day  | 6<br>▶ SPEAR3<br>• BL10 Out of Alcove Comps<br>• Booster Ring Walk-Through   | 7<br>▶ SPEAR3<br>• BL10 Out of Alcove Comps  | 8<br>▶ SPEAR3<br>• BL11 Mainln / stopper / In mono BTM<br>▶ PEPII Q5 HER pre-weld measurements                               | 9<br>▶ SPEAR3<br>• BL11 Mainln / stopper / In mono BTM   | 10       |
| -3          | 11     | 12<br>▶ SPEAR3<br>• BL11 Mainln / stopper / In mono BTM<br>• Map 1G-9G, 12G-18G<br>▶ PEPII Q5 HER post-weld measurements                                    | 13<br>▶ SPEAR3<br>• BL11 Mainln / stopper / In mono BTM<br>• Map 1G-9G, 12G-18G<br>• BL9 In Alcove anchors<br>▶ GLAST<br>• Survey 8 towers | 14<br>▶ SPEAR3<br>• BL11 Mainln / stopper / In mono BTM<br>• Map 1G-9G, 12G-18G<br>• BL9 In Alcove anchors<br>▶ ILC End Station A (ESA)<br>▶ GLAST<br>• Survey 8 towers<br>▶ PEPII Q5 HER measurements | 15<br>▶ SPEAR3<br>• BL11 Mainln / stopper / In mono BTM<br>• Map 1G-9G, 12G-18G<br>• BL9 In Alcove comps / Out anchors       | 16<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL9 In Alcove comps / Out anchors<br>• BL5 ID Cham   | 17       |
| -2          | 18     | 19<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 In Alcove comps / Out anchors<br>• BL5 ID Cham<br>• BL12 Layout hole chicane raft | 20<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 In Alcove<br>• BL5 ID Cham<br>• BL12 Layout hole chicane raft    | 21<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 In Alcove<br>• BL5 ID Cham   | 22<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 In Alcove<br>• BL5 ID Cham                         | 23<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 In Alcove<br>• BL5 ID Cham   | 24       |
| -1          | 25     | 26<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 In Alcove<br>• BL5 ID Cham<br>• BL2 mirror / mask                                 | 27<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL5 ID Cham<br>• BL2 mirror / mask                                   | 28<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 Out Alcove<br>• BL5 ID Cham<br>• BL2 mirror / mask   | 29<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 Out Alcove<br>• BL5 ID Cham<br>• BL2 mirror / mask | 30<br>▶ SPEAR3<br>• Map 1G-9G, 12G-18G<br>• BL7 In Alcove Girder<br>• BL9 Out Alcove<br>• BL5 ID Cham<br>• BL12 Align Pads chicane raft<br>• BL2 mirror / mask |          |

# October 2005

## Overview of Alignment Engineering Group Downtime Activities

| Week Number | Sunday  | Monday  | Tuesday   | Wednesday   | Thursday  | Friday   | Saturday |
|-------------|---|---|---|---|---|--|----------|
| 0           | 2   | 3 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL12 Rough Align Chicane</li> <li>• BL5 ID Cham &amp; MO, BPM, MM2/3</li> <li>• BL7 In Alcove</li> <li>• BL9 Out Alcove</li> <li>• BL2 above tank</li> </ul> </li> <li>▶ PEPH Inject IR-10 Lambertson</li> </ul>   | 4 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 ID Cham &amp; MO, BPM, MM2/3</li> <li>• BL7 In Alcove</li> <li>• BL9 Out Alcove</li> <li>• BL2 above tank</li> </ul> </li> <li>▶ PEPH Inject IR-10 Lambertson</li> </ul> | 5 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 ID Cham &amp; MO, BPM, MM2/3</li> <li>• BL7 In Alcove</li> <li>• BL9 Out Alcove</li> </ul> </li> <li>▶ PEPH Inject IR-10 Lambertson</li> </ul> | 6 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 ID Cham &amp; MO, BPM, MM2/3</li> <li>• BL7 In Alcove</li> <li>• BL9 Out Alcove</li> <li>• BL2 above tank</li> </ul> </li> <li>▶ PEPH Inject IR-10 Lambertson</li> </ul>   | 7 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• BL7 In Alcove</li> <li>• BL9 Out Alcove</li> <li>• BL2 above tank</li> </ul> </li> <li>▶ PEPH Inject IR-10 Lambertson</li> </ul>  | 1 / 8    |
|             | 9   | 10 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• BL7 Be Windows</li> <li>• BL9 Out Alcove</li> </ul> </li> <li>▶ PEPH               <ul style="list-style-type: none"> <li>• IR10 Inject Lambertson</li> </ul> </li> <li>▶ LCLS S20 hole locations for 3 stands</li> </ul> | 11 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• BL7 Be Winds</li> <li>• BL9 Out Alcove</li> </ul> </li> </ul>   | 12 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• BL7 Be Winds</li> <li>• BL9 Out Alcove</li> </ul> </li> <li>▶ LCLS S20 tube inner and outer walls</li> </ul>        | 13 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• BL7 Be Winds</li> </ul> </li> <li>▶ PEPH               <ul style="list-style-type: none"> <li>• LER Abort Spoiler</li> </ul> </li> <li>▶ LCLS S20 align stands</li> </ul>   | 14 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• BL7 Be Winds</li> </ul> </li> <li>▶ PEPH               <ul style="list-style-type: none"> <li>• IR10 Inject Lambertson</li> </ul> </li> <li>▶ LCLS S20 align stands</li> </ul> | 15       |
| 2           | 16  | 17 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• Be Windows</li> </ul> </li> <li>▶ PEPH align Q5L chambers</li> </ul>  | 18 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• Be Windows</li> </ul> </li> <li>▶ LCLS S20 Stds Between Walls</li> </ul>  | 19 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• Be Windows</li> </ul> </li> <li>▶ PEPH IR2 Q5</li> <li>▶ LCLS S20 Stds &amp; S21 L1 Region Quads</li> </ul>         | 20 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL5 MO, BPM, MM2/3</li> <li>• Be Windows</li> </ul> </li> <li>▶ PEPH IR2 Q5</li> </ul>  | 21 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL12 Map</li> <li>• BL5 MO, BPM, MM2/3</li> <li>• Be Windows</li> </ul> </li> </ul>  | 22       |
|             | 23 <p>Note:<br/>MFD installing safety covers over alignment monuments in damping rings TOMORROW →</p> | 24 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL12 Map</li> <li>• BL12 align magnets and vac chambers on chicane raft</li> <li>• BL7 Be Windows</li> <li>• BL2 mono</li> </ul> </li> <li>▶ BSY Survey SLC monuments around Stn-100</li> </ul>   | 25 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL12 Map</li> <li>• BL7 Be Winds</li> <li>• BL2 mono</li> </ul> </li> <li>▶ PEPH A-Side LER Collimator holes</li> <li>▶ BSY Survey SLC monuments around Stn-100</li> </ul>  | 26 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL12 Map</li> <li>• BL 7Be Winds</li> <li>• BL2 mono</li> </ul> </li> <li>▶ LCLS align all beamline comps</li> </ul>                              | 27 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL12 Map</li> <li>• BL7 Be Winds</li> <li>• BL2 mono</li> </ul> </li> <li>▶ PEPH               <ul style="list-style-type: none"> <li>• Align HER 7038</li> <li>• Align A-Side LER Collimator</li> </ul> </li> <li>▶ LCLS align all beamline comps</li> </ul> | 28   | 29       |
| 4           | 30  | 31 <ul style="list-style-type: none"> <li>▶ SPEAR3               <ul style="list-style-type: none"> <li>• BL12 Map</li> <li>• BL7 Be Windows</li> <li>• BL2 mono</li> </ul> </li> </ul>   |   |   |   |  |          |
|             |   |   |   |   |   |  |          |

Linac Laser open weeks 1-3; LCLS Sects 21-24 survey weeks 1-3; FFTB replacement line

# November 2005

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| Week Number | Sunday | Monday  | Tuesday  | Wednesday  | Thursday   | Friday   | Saturday |  |
|-------------|--------|---|--|--|--|--|----------|--|
| 4           |        |   | <b>1</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL12 magnet moves</li> <li>• BL7 Be Windows</li> </ul> </li> <li>▶ PEPII                             <ul style="list-style-type: none"> <li>• Align HER 7037 Trans Comps</li> </ul> </li> </ul> | <b>2</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL12 resurvey after pumpdown</li> <li>• BL7 Be Windows</li> </ul> </li> <li>▶ LCLS S20 Between Walls Beamline Comp</li> </ul> | <b>3</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL12 resurvey after pumpdown</li> <li>• BL7 Be Windows</li> </ul> </li> <li>▶ LCLS S20 Between Walls Beamline Comp</li> </ul> | <b>4</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL12 resurvey after pumpdown</li> <li>• BL7 Be Windows</li> </ul> </li> </ul> |          |  |
|             |        |   |  |  |  |  |          |  |
| 5           | 6      | <b>7</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul> </li> </ul>  | <b>8</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul> </li> </ul>   | <b>9</b><br>SPEAR3 <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul>  | <b>10</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul> </li> </ul>  | <b>11</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul> </li> </ul>  |          |  |
|             |        |   |  |  |  |  |          |  |
| 6           | 13     | <b>14</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul> </li> </ul> | <b>15</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul> </li> </ul>  | <b>16</b><br><ul style="list-style-type: none"> <li>▶ SPEAR3                             <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul> </li> </ul>  | <b>17</b><br>SPEAR3 <ul style="list-style-type: none"> <li>• BL7 Be Windows</li> </ul>   |  |          |  |
|             |        |   |  |  |  |  |          |  |
| 7           | 20     |   |  |  |  |  |          |  |
|             |        |   |  |  |  |  |          |  |
| 8           | 27     |   |  |  |  |  |          |  |
|             |        |   |  |  |  |  |          |  |