Shuttle X-Y Axis Plane

Timing based on Integ.
Time Line Team Data:
2/4/2003; 5:00PM; r10
Systems appear Nominal

13:52:00 (LOS -7:32)

Good Sensor
Off Nominal Sensor
Offline Sensor
Good Sensor
Off Nominal Sensor
Offline Sensor

V58T1703
Left Main Gear Brake Line Temp D
Off Nominal temp rise (2°/min)

13:52:20 (LOS -7:12)
Good Sensor
Off Nominal Sensor
Offline Sensor

V58T1702
Left Main Gear Brake Line
Temp C
Off Nominal temp rise (5°/min)

13:52:48 (LOS -6:44)
V09T1006
Left Inboard Elevon Lower Skin Temp
Goes off line

13:52:59 (LOS -6:33)

Good Sensor
Off Nominal Sensor
Offline Sensor
Good Sensor
Off Nominal Sensor
Offline Sensor

V58T0394
Hyd Sys 3 Left Outboard Elevon Actuator Return Line Temp
Goes off line

13:53:10 (LOS -6:22)
Good Sensor
Off Nominal Sensor
Offline Sensor
V58T0193
Hyd Sys 1 Left Outboard Elevon Actuator Return Line Temp Goes off line

13:53:31 (LOS -6:01)

Good Sensor
Off Nominal Sensor
Offline Sensor
Good Sensor
Off Nominal Sensor
Offline Sensor
Good Sensor
Off Nominal Sensor
Offline Sensor

13:54:13 (LOS -5:19)

Left Main Gear Brake Line
Temp B
Off Nominal temp rise (6°/min)

V58T1701

13:59:32
Mid Fuselage Left Body Line
Temp at x1215
Off Nominal temp rise (6°/min)

Good Sensor
Off Nominal Sensor
Offline Sensor
Good Sensor
Off Nominal Sensor
Offline Sensor
Good Sensor
Off Nominal Sensor
Offline Sensor
V58T0842
System 3 LH Forward Brake Switch Valve Return Line Temp
Off Nominal temp rise (5°/min)

13:55:23 (LOS -4:09)

Good Sensor
Off Nominal Sensor
Offline Sensor
Good Sensor  
Off Nominal Sensor  
Offline Sensor
Good Sensor  
Off Nominal Sensor  
Offline Sensor

V09T1024 ; V09T1002
Left Upper Wing Skin Temp
Left Lower Wing Skin Temp
Goes off line

13:56:20 (LOS -3:12)
Good Sensor
Off Nominal Sensor
Offline Sensor

V58T0841
System 2 LH Aft Brake
Switch Valve Return Temp
Off Nominal temp rise (14°/min)

13:57:54 (LOS -1:38)
Main Landing Gear Left Hand
Outboard Tire Press 1
Goes off line

Good Sensor
Off Nominal Sensor
Offline Sensor
V51P0571A
Main Landing Gear Left Hand
Inboard Tire Press 1
Goes off line

13:58:33 (LOS -0:59)

Good Sensor
Off Nominal Sensor
Offline Sensor
Main Landing Gear Left Hand Inboard Wheel Temp Goes off line

V51T0575

13:58:35 (LOS -0:57)
V51P0572A
Main Landing Gear Left Hand
Outboard Tire Press 2
Goes off line

13:58:39 (LOS -0:53)
Good Sensor
Off Nominal Sensor
Offline Sensor
### Sensor Names and MSIDs (in order of off nominal event)

<table>
<thead>
<tr>
<th>No.</th>
<th>Measurement Nomenclature</th>
<th>MSID</th>
<th>No.</th>
<th>Measurement Nomenclature</th>
<th>MSID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LMG Brake Line Temp D</td>
<td>V58T1703A</td>
<td>14</td>
<td>MLG LH Outbd Wheel Temp</td>
<td>V51T0574A</td>
</tr>
<tr>
<td>2</td>
<td>LMG Brake Line Temp A</td>
<td>V58T1700A</td>
<td>15</td>
<td>LH UPR Wing Skin Temp</td>
<td>V09T1024</td>
</tr>
<tr>
<td>3</td>
<td>LMG Brake Line Temp C</td>
<td>V58T1702A</td>
<td>16</td>
<td>LH LWR Wing Skin Temp</td>
<td>V09T1002</td>
</tr>
<tr>
<td>4</td>
<td>LH Inbd Elev LWR Skin Temp</td>
<td>V09T1006</td>
<td>17</td>
<td>Hyd 2 LH Aft Brake Sw Vlv Rtn Ln T</td>
<td>V58T0841A</td>
</tr>
<tr>
<td>5</td>
<td>Hyd Sys 3 LOE Rtn Ln T</td>
<td>V58T0394A</td>
<td>18</td>
<td>MLG LH Outbd Tire Press 1</td>
<td>V51P0570A</td>
</tr>
<tr>
<td>6</td>
<td>Hyd 1 LH Inbd Elvn Actr Rtn Ln T</td>
<td>V58T0157A</td>
<td>19</td>
<td>MLG LH Inbd Tire Press 1</td>
<td>V51P0571A</td>
</tr>
<tr>
<td>7</td>
<td>Hyd Sys 1 LOE Rtn Ln T</td>
<td>V58T0193A</td>
<td>20</td>
<td>MLG LH Inbd Wheel Temp</td>
<td>V51T0575A</td>
</tr>
<tr>
<td>8</td>
<td>Hyd 2 LH Inbd Elvn Actr Rtn Ln T</td>
<td>V58T0257A</td>
<td>21</td>
<td>MLG LH Outbd Tire Press 2</td>
<td>V51P0572A</td>
</tr>
<tr>
<td>9</td>
<td>LMG Brake Line Temp B</td>
<td>V58T1701A</td>
<td>22</td>
<td>MLG LH Inbd Tire Press 2</td>
<td>V51P0573A</td>
</tr>
<tr>
<td>10</td>
<td>M-Fus Lt BL Temp at 1215</td>
<td>V34T1106</td>
<td>23</td>
<td>Hyd Sys 3 LH Inbd Elvn Rtn Ln Temp</td>
<td>V58T0833A</td>
</tr>
<tr>
<td>11</td>
<td>L Main Gear Strut Actuator Temp</td>
<td>V58T0405A</td>
<td>24</td>
<td>Hyd Sys 2 LH Otbd Elvn Rtn Ln Temp</td>
<td>V58T0883A</td>
</tr>
<tr>
<td>12</td>
<td>Hyd Sys 1 LMG Uplk Actr Unlk Ln T</td>
<td>V58T0125A</td>
<td>25</td>
<td>Hydr Sys LH Inbd Elvn Actr Temp</td>
<td>V58T0830A</td>
</tr>
<tr>
<td>13</td>
<td>Hyd 3 LH Fwd Brake Sw Vlv Rtn Ln T</td>
<td>V58T0842A</td>
<td>26</td>
<td>Hydr Sys LH Outbd Elvn Actr Temp</td>
<td>V58T0880A</td>
</tr>
</tbody>
</table>
Sensors in order of off nominal event

Good Sensor
Off Nominal Sensor
Offline Sensor