Target -- Shift Start Checklist

Read all notes, please!

Checked by (name): ______________________________

Date/time: ______________________________

OK[1]	check	not-OK action	NOKA[2]
☐	**shift crew has read target manual**	mail run coordinator	☐
☐	**Wire-Out button is not pressed**[3]	call expert	☐
☐	**tacos is running**	call expert	☐
☐	tcc program is running	call expert	☐
☐	no emergencies are displayed in tcc[11]	call expert	☐
☐	**HV is OK**	call expert	☐
☐	HV program is running[8]	call expert	☐
☐	auto trip recovery is turned on[9]	call expert	☐
☐	No alarms are reported[12]	call expert	☐
☐	high voltages are set[10]	call expert	☐
☐	**target DAQ is setup**	call expert	☐
☐	ford is running[4]	call expert	☐
☐	target_daq is running[5]	call expert	☐
☐	scate is running[6]	call expert	☐
☐	**monitoring is setup**	mail expert	☐
☐	HERA, H1, Zeus, Hermes monitor is running (Target Display 1)	call expert	☐
☐	Bunch contribution display is running (Target Display 3)	mail or call expert	☐

[1] Only mark, if check was OK.
[2] Only mark, if 'not-OK action' was taken.
[3] This is hardware: see middle rack. Take care NOT to press it, while checking!
[4] Search on 'Target Display 2' for a xterm with the following output:

```
xxx good events, yyy thrown away ...
```

You may have to look through all virtuell desktops
[5] Search on 'Target Display 2' for a xterm that provides a ascii menu which starts as the following:

```
MAIN CONTROLL MENUE
===========================
START: Start
STOP: Hold
```

You may have to look through all virtuell desktops
[6] Search on 'Target Display 2' for a xterm that provides a ascii menu which starts as the following:

```
SCATE X.XX - the gated scalers control module
=============================================
```

You may have to look through all virtuell desktops
[7] Shows the efficiency and IA distribution.
[8] Search on 'Target Display 2' for a xterm that provides a ascii menu which starts as the following:

```
MAIN CONTROLL MENUE
===========================
SELECT CHANNEL(S): [S]elect
```

The xterm may be swamped by a messages like:

```
autosaving at ...
give command (hit return for menu)
```

Please hit return in this case to get the menu.
You may have to look through all virtuell desktops
[9] Look at the HV xterm. The last line of the menu should say: trip recovery: ON
[10] In the HV xterm type: r, <return>, 9, <return>. Channels 0-15 should have voltages above 1200V
[11] This means: 'target-connection OK' and 'No Bufferoverflow!'
[12] Look at the HV-xterm, if you find any 'malfunction' or 'alarm' reported.
[13] Shows the Beam Positions.