

| Period | Fill | ϕ_x (ϕ_y) (μrad) | β^* (m) | Bunches per beam | Gas injection | Luminosity calibration |
|--|------|--|------------------|---------------------|------------------|---------------------------|
| Fills with pp at $\sqrt{s} = 8 \text{ TeV}$ | | | | | | |
| Apr 2012 | 2520 | 236 (90) | 3 | 48 (6) | on | BGI |
| Apr 2012 | 2523 | 236 (90) | 3 | 52 (24) | on | BGI, VDM |
| Jul 2012 | 2852 | 456 (0) | 10 | 50 (16) | on | BGI, |
| Jul 2012 | 2853 | 456 (0) | 10 | 35 (16) | on | BGI, VDM |
| Jul 2012 | 2855 | 456 (0) | 10 | 48 (6) | on | BGI |
| Jul 2012 | 2856 | 456 (0) | 10 | 48 (6) | on | BGI |
| Nov 2012 | 3311 | 456 (0) | 10 | 39 (6) | on | BGI |
| Nov 2012 | 3316 | 456 (0) | 10 | 39 (6) | on | BGI |
| Fills with pp at $\sqrt{s} = 7 \text{ TeV}$ | | | | | | |
| Oct 2011 | 2234 | 270 (0) | 10 | 36 (16) | off | BGI, VDM |
| Fills with pp at $\sqrt{s} = 2.76 \text{ TeV}$ | | | | | | |
| Feb 2013 | 3555 | 855 (0) | 10 | 100 (22) | on | BGI |
| Feb 2013 | 3562 | 855 (0) | 10 | 39 (6) | on | BGI |
| Feb 2013 | 3563 | 855 (0) | 10 | 39 (6) | on | BGI |
| Fills with $p\text{Pb}$ at $\sqrt{s_{NN}} = 5 \text{ TeV}$ | | | | | | |
| Jan 2013 | 3503 | 456 (0) | 2 | 272+338 (38) | off | other experiments |
| Jan 2013 | 3505 | 456 (0) | 2 | 272+338 (38) | off | VDM |
| Fills with $\text{Pb}p$ at $\sqrt{s_{NN}} = 5 \text{ TeV}$ | | | | | | |
| Feb 2013 | 3537 | 456 (0) | 2 | 314+272 (22) | off | other experiments |
| Feb 2013 | 3540 | 456 (0) | 2 | 314+272 (22) | off | other experiments |
| Feb 2013 | 3542 | 456 (0) | 2 | 338 (39) | off | VDM |