| Date | User | Film | Recipe | Substrate T | Thickness | Dep.time | JAW EC-400 (Woolam Spec. Ell.) | | Dep.rate | Stress | HF e.r. wafer | LPD ( light point defects) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/1/2012 | User | SiO2 | SiO2_10 | 250° C | (Å) | sec | Index @ 632.8nm | Index @ 1550nm | ( nm/min) | (MPa) | ( nm/min) | before dep. | after dep. |
| 01/06/14 | Biljana | SiO2 | SiO2_10 | 250 | 1013.74 | 176.6 | 1.463 | 1.459 | 34.44 | -401.73 | | 284 | 1059 |
| 01/23/14 | Biljana | SiO2 | SiO2_10 | 250 | 1069.74 | 176.6 | 1.456 | 1.445 | 36.34 | -375.92 | 604.28 | 159 | 290 |
| 02/03/14 | Biljana | SiO2 | SiO2_10 | 250 | 1047.82 | 176.6 | 1.456 | 1.451 | 35.60 | -346.54 | 604.71 | 304 | 451 |
| 02/18/14 | Biljana | SiO2 | SiO2_10 | 250 | 1031.00 | 176.6 | 1.454 | 1.444 | 35.03 | -397.61 | 545.75 | 48 | 274 |
| 03/14/14 | Biljana | SiO2 | SiO2_10 | 250 | 1053.21 | 176.6 | 1.455 | 1.444 | 35.78 | -364.72 | 600.97 | 112 | 222 |
| 04/08/14 | Biljana | SiO2 | SiO2_10 | 250 | 1070.80 | 176.6 | 1.465 | 1.454 | 36.38 | -460.47 | 578.93 | | |

| Date | AVG dep.rate | AVG+10% | AVG-10% | AVG index@ | AVG+1% | AVG -1% | AVG.Stress | Avg+20% | Avg-20% | Additional Notes | Brian Lingg, PM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/1/2012 | | | | | | | | | | Deposition done on 4"Si wafer | update this (logbook) |
| 01/06/14 | 35.60 | 39.16 | 32.04 | 1.458 | 1.473 | 1.444 | -391.17 | -469.40 | -312.93 | Grouped particles | |
| 01/23/14 | 35.60 | 39.16 | 32.04 | 1.458 | 1.473 | 1.444 | -391.17 | -469.40 | -312.93 | Nice film, not many particles | 1/23/14 |
| 02/03/14 | 35.60 | 39.16 | 32.04 | 1.458 | 1.473 | 1.444 | -391.17 | -469.40 | -312.93 | Film is much darker in the center | |
| 02/18/14 | 35.60 | 39.16 | 32.04 | 1.458 | 1.473 | 1.444 | -391.17 | -469.40 | -312.93 | Film darker in the center | 2/14/14 Silane change |
| 03/14/14 | 35.60 | 39.16 | 32.04 | 1.458 | 1.473 | 1.444 | -391.17 | -469.40 | -312.93 | Film darker in the center | |
| 04/08/14 | 35.60 | 39.16 | 32.04 | 1.458 | 1.473 | 1.444 | -391.17 | -469.40 | -312.93 | Film darker in the center | |

| | |
|---|---|
| Avg.Thickness | 1047.72 |
| Avg Index | 1.458 |
| Index+1% | 1.473 |
| Index-1% | 1.444 |
| Avg Dep.Rate | 35.60 |
| Avg +10% | 39.16 |
| Avg - 10% | 32.04 |
| Avg. Stress | -391.17 |
| Avg +20% | -469.40 |
| Avg - 20% | -312.93 |
| Avg. HF e.r. | 586.93 |