Table A1. Journal of Observations

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SN 1993ac** | | | | | | | | |
| 1993-10-16.49 | 2449276.99 | +6.9 | MMTblue | 3150-8172 | 1.95 | 7-8 | ··· | 83.5 | 1.18 | ··· | ··· | 1.5 | 900 | CBF, ND, RJW |
| 1993-10-20.52 | 2449281.02 | +10.8 | MMTblue | 3567-7145 | 3.18 | 7-8 | ··· | 81.7 | 1.21 | ··· | ··· | 5.0 | 420 | ··· |
| | | | | | | **SN 1993ae** | | | | | | | | |
| 1993-12-13.11 | 2449334.61 | @0.0 | MMTblue | 3562-10536 | 6.29 | 7-8 | ··· | 0.0 | 1.24 | ··· | ··· | ··· | 900 | BS |
| | | | | | | **SN 1994D** | | | | | | | | |
| 1994-03-10.36 | 2449421.86 | −11.1 | MMTblue | 3161-9061 | 1.92 | 7-8 | ··· | 79.7 | 1.09 | ··· | ··· | ··· | 120 | RK, PC, AR |
| 1994-03-11.41 | 2449422.91 | −10.0 | FAST | 3703-7633 | 1.47 | 6-7 | 90.0 | 60.7 | 1.14 | F67/F56 | 2-3 | 3.0 | 300 | ST |
| 1994-03-13.31 | 2449424.81 | −8.1 | FAST | 3701-7631 | 1.47 | 6-7 | 90.0 | 52.0 | 1.15 | F67/F56 | 2 | 3.0 | 600 | ST |
| 1994-03-15.36 | 2449426.86 | −6.1 | MMTblue | 3560-7964 | 1.90 | 7-8 | ··· | 79.7 | 1.09 | ··· | ··· | ··· | 120 | RC, JHuc, ST |
| 1994-03-16.37 | 2449427.87 | −5.1 | FAST | 3702-7635 | 1.47 | 6-7 | 90.0 | 81.3 | 1.23 | F67/F56 | 1-2 | 3.0 | 600,2×420 | ST |
| 1994-03-17.35 | 2449428.85 | −4.1 | FAST | 3705-7635 | 1.47 | 6-7 | 90.0 | 80.4 | 1.09 | F67/F56 | 1-2 | 3.0 | 2×600 | ST |
| 1994-03-18.36 | 2449429.86 | −3.1 | FAST | 3705-7635 | 1.47 | 6-7 | 90.0 | 87.5 | 1.09 | F67/F56 | 2-3 | 3.0 | 420,480 | ST |
| 1994-03-21.35 | 2449432.85 | −0.1 | FAST | 3704-7635 | 1.47 | 6-7 | 90.0 | 87.0 | 1.09 | F67/F56 | 2-3 | 3.0 | 420,2×480 | JPe |
| 1994-04-01.28 | 2449443.78 | +10.8 | FAST | 3706-7636 | 1.47 | 6-7 | 90.0 | 65.0 | 1.11 | F67/F56 | 2-3 | 3.0 | 600 | JPe, SMu |
| 1994-04-03.36 | 2449445.86 | +12.8 | FAST | 3706-7636 | 1.47 | 6-7 | 90.0 | 61.0 | 1.15 | F67/F56 | 2 | 3.0 | 660 | JPe |
| 1994-04-05.34 | 2449447.84 | +14.8 | FAST | 3707-7636 | 1.47 | 6-7 | 90.0 | 71.1 | 1.12 | F67/F56 | 2-3 | 3.0 | 900 | PBe |
| 1994-04-07.42 | 2449449.92 | +16.9 | FAST | 3708-7638 | 1.47 | 6-7 | 90.0 | 37.8 | 1.48 | F67/F56 | 1-2 | 3.0 | 600,900 | PBe |
| 1994-04-10.26 | 2449452.76 | +19.7 | FAST | 3706-7636 | 1.47 | 6-7 | 90.0 | 62.2 | 1.11 | F67/F56 | 1-2 | 3.0 | 900 | JPe |
| 1994-04-11.23 | 2449453.73 | +20.7 | FAST | 3706-7636 | 1.47 | 6-7 | 90.0 | 54.2 | 1.14 | F67/F56 | 1-2 | 3.0 | 600 | PBe |
| 1994-04-30.32 | 2449472.82 | +39.7 | FAST | 3708-7632 | 1.47 | 6-7 | 110.0 | 64.4 | 1.30 | F67/F56 | 1-2 | 3.0 | 900 | PBe |
| 1994-05-03.25 | 2449475.75 | +42.6 | FAST | 3707-7631 | 1.47 | 6-7 | 110.0 | 77.8 | 1.11 | F67/F56 | 1-2 | 3.0 | 1800 | JPe |
| 1994-05-06.28 | 2449478.78 | +45.7 | FAST | 3708-7632 | 1.47 | 6-7 | 110.0 | 75.3 | 1.20 | F67/F56 | 1-2 | 3.0 | 1200 | PBe |
| 1994-05-10.16 | 2449482.66 | +49.5 | FAST | 3707-7631 | 1.47 | 6-7 | 110.0 | 30.2 | 1.13 | F67/F56 | 1-2 | 3.0 | 1800 | JPe |
| 1994-05-15.20 | 2449487.70 | +54.6 | FAST | 3721-7645 | 1.47 | 6-7 | 110.0 | 73.1 | 1.10 | F67/F56 | 2-3 | 3.0 | 600 | SMu |
| 1994-05-16.18 | 2449488.68 | +55.5 | FAST | 3710-7634 | 1.47 | 6-7 | 110.0 | 58.8 | 1.09 | F67/F56 | 2-3 | 3.0 | 2×600 | SMu |
| 1994-05-17.17 | 2449489.67 | +56.5 | FAST | 3739-7666 | 1.47 | 6-7 | 110.0 | 58.5 | 1.09 | F67/F56 | 2-3 | 3.0 | 600 | SMu |
| 1994-05-19.18 | 2449491.68 | +58.5 | FAST | 3748-7671 | 1.47 | 6-7 | 110.0 | 58.6 | 1.09 | F67/F56 | 2-3 | 3.0 | 1200 | JPe |
| 1994-06-02.18 | 2449505.68 | +72.5 | FAST | 3797-7721 | 1.47 | 6-7 | 110.0 | 87.4 | 1.12 | F67/F56 | 2-3 | 3.0 | 1200 | JPe |
| 1994-06-04.22 | 2449507.72 | +74.5 | FAST | 3801-7724 | 1.47 | 6-7 | 110.0 | 65.0 | 1.29 | F67/F56 | 2-3 | 3.0 | 900 | SMu |
| 1994-06-12.23[p] | 2449515.73 | +82.5 | MMTblue | 3217-8572 | 1.91 | 7-8 | ··· | 77.1 | 1.50 | ··· | ··· | 2.0 | 2×900 | RK, PC |
| 1995-11-24.46 | 2450045.96 | +611.2 | MMTblue | 3167-8170 | 1.95 | 7-8 | ··· | 76.4 | 1.23 | ··· | ··· | ··· | 1200 | ··· |
| | | | | | | **SN 1994M** | | | | | | | | |
| 1994-05-04.15 | 2449476.65 | +1.6 | FAST | 3705-7629 | 1.47 | 6-7 | 110.0 | 32.0 | 1.26 | F67/F56 | 1-2 | 3.0 | 1200 | JPe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994-05-05.17 | 2449477.67 | +2.6 | FAST | 3705-7629 | 1.47 | 6-7 | 110.0 | 37.8 | 1.22 | F67/F56 | 1-2 | 3.0 | 1200 | JPe |
| 1994-05-06.26 | 2449478.76 | +3.7 | FAST | 3707-7631 | 1.47 | 6-7 | 110.0 | 86.5 | 1.22 | F67/F56 | 1-2 | 3.0 | 1200,1800 | PBe |
| 1994-05-07.29 | 2449479.79 | +4.7 | FAST | 3708-7632 | 1.47 | 6-7 | 110.0 | 78.7 | 1.34 | F67/F56 | 1-2 | 3.0 | 1800 | PBe |
| 1994-05-08.26 | 2449480.76 | +5.6 | FAST | 3708-7632 | 1.47 | 6-7 | 110.0 | 88.0 | 1.24 | F67/F56 | 1-2 | 3.0 | 1200 | PBe |
| 1994-05-09.23 | 2449481.73 | +6.6 | FAST | 3708-7632 | 1.47 | 6-7 | 110.0 | 80.1 | 1.19 | F67/F56 | 1-2 | 3.0 | 1200 | JPe |
| 1994-05-14.29 | 2449486.79 | +11.5 | MMTblue | 3309-8884 | 1.92 | 6-7 | ··· | 77.6 | 1.48 | ··· | ··· | 1.0 | 900 | PC, LW |
| 1994-05-15.27 | 2449487.77 | +12.5 | MMTblue | 3178-8878 | 1.92 | 6-7 | ··· | 76.8 | 1.35 | ··· | ··· | 1.0 | 1200 | PC, LW |
| 1994-06-12.22[p] | 2449515.72 | +39.8 | MMTblue | 3234-8559 | 1.91 | 7-8 | ··· | 77.6 | 1.53 | ··· | ··· | 2.0 | 2×900 | RK, PC |
| **SN 1994Q** | | | | | | | | | | | | | | |
| 1994-06-04.39 | 2449507.89 | +10.9 | FAST | 3800-7724 | 1.47 | 6-7 | 110.0 | 0.5 | 1.11 | F67/F56 | 1.5 | 3.0 | 1800 | SMu |
| 1994-06-05.35 | 2449508.85 | +11.8 | FAST | 3798-7722 | 1.47 | 6-7 | 110.0 | 33.8 | 1.04 | F67/F56 | 2 | 3.0 | 1800 | SMu |
| 1994-06-06.37 | 2449509.87 | +12.8 | FAST | 3799-7723 | 1.47 | 6-7 | 110.0 | 11.9 | 1.07 | F67/F56 | 2 | 3.0 | 1800 | SMu |
| 1994-06-12.32[p] | 2449515.82 | +18.6 | MMTblue | 3305-8477 | 1.91 | 7-8 | ··· | 67.6 | 1.03 | ··· | ··· | 2.0 | 2×1200 | RK, PC |
| **SN 1994S** | | | | | | | | | | | | | | |
| 1994-06-11.28 | 2449514.78 | −4.0 | FAST | 3804-7728 | 1.47 | 6-7 | 110.0 | 36.8 | 1.62 | F67/F56 | 2 | 3.0 | 1800 | JPe |
| 1994-06-12.26[p] | 2449515.76 | −3.0 | MMTblue | 3232-8607 | 1.91 | 7-8 | ··· | 72.9 | 1.52 | ··· | ··· | 2.0 | 2×600 | RK, PC |
| 1994-06-16.24 | 2449519.74 | +0.9 | FAST | 3803-7727 | 1.47 | 6-7 | 110.0 | 35.7 | 1.44 | F67/F56 | 5 | 3.0 | 1200 | JPe |
| 1994-07-12.18 | 2449545.68 | +26.5 | FAST | 3847-7771 | 1.47 | 6-7 | 110.0 | 36.3 | 1.50 | F67/F56 | 1-2 | 3.0 | 1200 | JPe |
| **SN 1994T** | | | | | | | | | | | | | | |
| 1994-06-11.21 | 2449514.71 | −0.2 | FAST | 3803-7727 | 1.47 | 6-7 | 110.0 | 81.6 | 1.31 | F67/F56 | 2 | 3.0 | 600 | JPe |
| 1994-06-12.19 | 2449515.69 | +0.8 | FAST | 3802-7728 | 1.47 | 6-7 | 110.0 | 85.2 | 1.27 | F67/F56 | 2 | 3.0 | 1800 | JPe |
| 1994-06-12.25[p] | 2449515.75 | +0.8 | MMTblue | 3286-8572 | 1.91 | 7-8 | ··· | 77.0 | 1.55 | ··· | ··· | 2.0 | 2×1200 | RK, PC |
| 1994-06-13.19 | 2449516.69 | +1.7 | FAST | 3802-7726 | 1.47 | 6-7 | 110.0 | 88.3 | 1.26 | F67/F56 | 3 | 3.0 | 600 | PBe |
| 1994-06-16.23 | 2449519.73 | +4.7 | FAST | 3803-7727 | 1.47 | 6-7 | 110.0 | 74.6 | 1.48 | F67/F56 | 5 | 3.0 | 1800 | JPe |
| **SN 1994ae** | | | | | | | | | | | | | | |
| 1994-11-29.51 | 2449686.01 | −0.0 | FAST | 3450-7008 | 1.47 | 6-7 | 0.0 | 53.0 | 1.09 | F34/H600 | 1-2 | 3.0 | 900 | PBe |
| 1994-11-30.49 | 2449686.99 | +1.0 | FAST | 3450-7010 | 1.47 | 6-7 | 0.0 | 57.9 | 1.14 | F34/H600 | 1-2 | 3.0 | 900 | PBe |
| 1994-12-01.50 | 2449688.00 | +2.0 | FAST | 3450-7014 | 1.47 | 6-7 | 0.0 | 54.2 | 1.10 | F34/H600 | 1-2 | 3.0 | 900 | PBe |
| 1994-12-02.53 | 2449689.03 | +3.0 | FAST | 3450-7008 | 1.47 | 6-7 | 0.0 | 40.0 | 1.04 | F34/H600 | 1-2 | 3.0 | 900 | JPe |
| 1994-12-03.54 | 2449690.04 | +4.0 | FAST | 3450-6989 | 1.47 | 6-7 | 0.0 | 33.9 | 1.04 | F34/H600 | 1-2 | 3.0 | 900 | JPe |
| 1994-12-04.53 | 2449691.03 | +5.0 | FAST | 3450-6992 | 1.47 | 6-7 | 0.0 | 37.3 | 1.04 | F34/H600 | 1-2 | 3.0 | 900 | JPe |
| 1994-12-07.47 | 2449693.97 | +7.9 | FAST | 3450-6991 | 1.47 | 6-7 | 0.0 | 58.4 | 1.15 | F34/H600 | 1-2 | 3.0 | 900 | PBe |
| 1994-12-07.55 | 2449694.05 | +8.0 | MMTblue | 2749-8715 | 1.94 | 7-8 | ··· | 77.2 | 1.03 | ··· | ··· | ··· | 600 | PG |
| 1994-12-08.55 | 2449695.05 | +9.0 | FAST | 3450-6989 | 1.47 | 6-7 | 0.0 | 6.0 | 1.03 | F34/H600 | 1-2 | 3.0 | 900 | JPe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994-12-09.50 | 2449696.00 | +9.9 | FAST | 3450-6986 | 1.47 | 6-7 | 0.0 | 45.2 | 1.05 | F34/H600 | 1-2 | 3.0 | 900 | JPe |
| 1994-12-28.49 | 2449714.99 | +28.8 | FAST | 3450-6983 | 1.47 | 6-7 | 0.0 | 26.4 | 1.03 | F34/H600 | 2-3 | 3.0 | 1800 | PBe |
| 1995-01-03.48 | 2449720.98 | +34.8 | FAST | 3650-7545 | 1.47 | 6-7 | 90.0 | 67.8 | 1.03 | F67/H600 | 1-2 | 3.0 | 1800 | PBe |
| 1995-01-07.37 | 2449724.87 | +38.7 | FAST | 3650-7514 | 1.47 | 6-7 | 90.0 | 30.3 | 1.18 | F67/H600 | 1-2 | 3.0 | 900 | JPe |
| 1995-01-31.40 | 2449748.90 | +62.6 | FAST | 3650-7517 | 1.47 | 6-7 | 90.0 | 78.8 | 1.03 | F67/H600 | 1-2 | 3.0 | 900 | PBe |
| 1995-02-06.45 | 2449754.95 | +68.6 | FAST | 3740-7604 | 1.47 | 6-7 | 90.0 | 41.3 | 1.12 | F34/H600 | 1-2 | 3.0 | 900 | PBe |
| 1995-02-24.33 | 2449772.83 | +86.4 | FAST | 3500-6798 | 1.47 | 6-7 | 90.0 | 66.7 | 1.03 | F34/H600 | 2-3 | 3.0 | 1200 | PBe |
| 1995-05-01.20 | 2449838.70 | +152.0 | FAST | 3670-7580 | 1.47 | 6-7 | 90.0 | 58.6 | 1.09 | BD28/BD33 | 2 | 3.0 | 3×1800 | JPe |
| 1995-12-02.47 | 2450053.97 | +366.3 | MMTblue | 3230-8703 | 1.96 | 7-8 | ··· | 74.3 | 1.17 | ··· | ··· | ··· | 1200 | ··· |
| **SN 1995D** | | | | | | | | | | | | | | |
| 1995-02-24.30 | 2449772.80 | +3.6 | FAST | 3500-6798 | 1.47 | 6-7 | 90.0 | 88.3 | 1.12 | F34/H600 | 2-3 | 3.0 | 900 | PBe |
| 1995-02-26.28 | 2449774.78 | +5.5 | FAST | 3400-7054 | 1.47 | 6-7 | 90.0 | 82.9 | 1.12 | F34/BD33 | 1-2 | 3.0 | 900 | PBe |
| 1995-02-28.26 | 2449776.76 | +7.5 | FAST | 3400-7057 | 1.47 | 6-7 | 90.0 | 68.5 | 1.13 | F34/BD33 | 1-2 | 3.0 | 900 | JPe |
| 1995-03-02.30 | 2449778.80 | +9.5 | FAST | 3400-7057 | 1.47 | 6-7 | 90.0 | 82.3 | 1.13 | F34/BD33 | 1-2 | 3.0 | 900 | JPe |
| 1995-03-04.34 | 2449780.84 | +11.5 | FAST | 3400-7057 | 1.47 | 6-7 | 90.0 | 53.7 | 1.24 | F34/BD33 | 1-2 | 3.0 | 900 | PBe |
| 1995-03-07.32 | 2449783.82 | +14.5 | FAST | 3400-7055 | 1.47 | 6-7 | 90.0 | 57.8 | 1.21 | F34/BD33 | 1-2 | 3.0 | 900 | JPe |
| 1995-03-09.29 | 2449785.79 | +16.5 | MMTblue | 3001-8518 | 1.95 | 7-8 | ··· | 78.2 | 1.14 | ··· | ··· | 1.2 | 2×600 | ··· |
| 1995-03-31.17 | 2449807.67 | +38.2 | MMTblue | 3191-9019 | 1.95 | 7-8 | ··· | 77.3 | 1.13 | ··· | ··· | ··· | 2×900 | ··· |
| 1995-04-04.23 | 2449811.73 | +42.2 | FAST | 3740-7579 | 1.47 | 6-7 | 90.0 | 67.4 | 1.16 | F34/H600 | 1-2 | 3.0 | 900 | JPe |
| 1995-04-26.14 | 2449833.64 | +64.0 | FAST | 3670-7578 | 1.47 | 6-7 | 90.0 | 81.5 | 1.13 | BD28/BD33 | 1-2 | 3.0 | 900 | JPe |
| 1995-05-01.15 | 2449838.65 | +69.0 | FAST | 3670-7578 | 1.47 | 6-7 | 90.0 | 70.9 | 1.16 | BD28/BD33 | 2 | 3.0 | 2×1200 | JPe |
| 1995-05-25.20 | 2449862.70 | +92.9 | FAST | 3670-7578 | 1.47 | 6-7 | 90.0 | 35.4 | 1.99 | BD28/BD33 | 1-2 | 3.0 | 2×1200 | PBe |
| 1995-11-24.46 | 2450045.96 | +274.9 | MMTblue | 3181-8260 | 1.95 | 7-8 | ··· | 76.4 | 1.23 | ··· | ··· | ··· | 1200 | ··· |
| 1995-12-02.44 | 2450053.94 | +282.8 | MMTblue | 3213-8836 | 1.96 | 7-8 | ··· | 76.4 | 1.25 | ··· | ··· | ··· | 1200 | ··· |
| **SN 1995E** | | | | | | | | | | | | | | |
| 1995-02-24.27 | 2449772.77 | −2.9 | FAST | 3500-6800 | 1.47 | 6-7 | 90.0 | 67.5 | 1.36 | F34/H600 | 2-3 | 3.0 | 900 | PBe |
| 1995-02-26.27 | 2449774.77 | −0.9 | FAST | 3529-7058 | 1.47 | 6-7 | 90.0 | 66.6 | 1.36 | F34/BD33 | 1-2 | 3.0 | 900 | PBe |
| 1995-02-28.23 | 2449776.73 | +1.0 | FAST | 3499-7045 | 1.47 | 6-7 | 90.0 | 79.0 | 1.34 | F34/BD33 | 1-2 | 3.0 | 2×900 | JPe |
| 1995-03-03.16 | 2449779.66 | +3.9 | FAST | 3594-7052 | 1.47 | 6-7 | 90.0 | 66.8 | 1.34 | F34/BD33 | 2-3 | 3.0 | 1800 | PBe |
| 1995-03-05.17 | 2449781.67 | +5.9 | FAST | 3400-7055 | 1.47 | 6-7 | 90.0 | 76.7 | 1.33 | F34/BD33 | 1-2 | 3.0 | 1200 | PBe |
| 1995-03-08.16 | 2449784.66 | +8.9 | MMTblue | 3154-8494 | 1.95 | 7-8 | ··· | 83.5 | 1.34 | ··· | ··· | 1.2 | 2×1200 | ··· |
| 1995-03-31.22 | 2449807.72 | +31.6 | MMTblue | 3242-8228 | 1.95 | 7-8 | ··· | 83.5 | 1.44 | ··· | ··· | ··· | 1200 | ··· |
| **SN 1995Y** | | | | | | | | | | | | | | |
| 1995-09-16.49 | 2449976.99 | @0.0 | FAST | 3670-7594 | 1.47 | 6-7 | 90.0 | 8.2 | 1.21 | BD28/BD33 | poor | 3.0 | 2×600 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1995-09-19.33 | 2449979.83 | @2.8 | FAST | 4168-7575 | 1.47 | 6-7 | 90.0 | 0.7 | 1.02 | BD28/BD33 | 1-2 | 3.0 | 900 | PBe |
| 1995-09-22.41 | 2449982.91 | @5.8 | FAST | 3706-7586 | 1.47 | 6-7 | 90.0 | 5.7 | 1.04 | BD28/BD33 | ··· | 3.0 | 3×900 | CP, JHuc |
| 1995-09-24.37 | 2449984.87 | @7.7 | FAST | 3764-7544 | 1.47 | 6-7 | 90.0 | 80.3 | 1.00 | BD28/BD33 | ··· | 3.0 | 2×900 | CP, JHuc |
| **SN 1995ac** | | | | | | | | | | | | | | |
| 1995-09-27.31 | 2449987.81 | −5.5 | FAST | 3650-7339 | 1.47 | 6-7 | 90.0 | 69.0 | 1.43 | F110/H600 | 1 | 3.0 | 2×1200 | PBe |
| 1995-09-29.27 | 2449989.77 | −3.7 | FAST | 4949-6715 | 0.67 | 4-5 | 10.0 | 1.2 | 1.35 | F15 | ··· | 5.0 | 882 | JHug |
| 1995-10-28.23 | 2450018.73 | +23.9 | FAST | 3700-7595 | 1.47 | 6-7 | 90.0 | 68.3 | 1.49 | F34/H600 | 1.5 | 3.0 | 3×1800 | PBe |
| 1995-11-23.07 | 2450044.57 | +48.5 | MMTblue | 3590-8875 | 1.96 | 7-8 | ··· | 78.7 | 1.33 | ··· | ··· | ··· | 600 | ··· |
| **SN 1995ak** | | | | | | | | | | | | | | |
| 1995-11-14.25 | 2450035.75 | +13.4 | FAST | 3700-7592 | 1.47 | 6-7 | 90.0 | 65.5 | 1.16 | F34/H600 | 1-2 | 3.0 | 2×900 | PBe, EB |
| 1995-11-18.33 | 2450039.83 | +17.4 | FAST | 3700-7591 | 1.47 | 6-7 | 90.0 | 60.1 | 1.23 | F34/H600 | 1-2 | 3.0 | 2×900 | EB |
| 1995-11-23.38 | 2450044.88 | +22.3 | FAST | 3700-7594 | 1.47 | 6-7 | 90.0 | 42.1 | 1.54 | F34/H600 | 1-2 | 3.0 | 2×900 | SKe |
| 1995-11-27.26 | 2450048.76 | +26.1 | FAST | 3700-7589 | 1.47 | 6-7 | 90.0 | 85.0 | 1.15 | F34/H600 | 1 | 3.0 | 2×900 | ··· |
| 1995-12-22.23 | 2450073.73 | +50.5 | FAST | 3700-7574 | 1.47 | 6-7 | 90.0 | 69.2 | 1.21 | F34/H600 | 1-2 | 3.0 | 1800 | PBe |
| 1996-01-15.17 | 2450097.67 | +73.9 | FAST | 3700-7564 | 1.47 | 6-7 | 90.0 | 64.6 | 1.24 | F34/H600 | 1-2 | 3.0 | 2×1800 | PBe |
| **SN 1995al** | | | | | | | | | | | | | | |
| 1995-11-14.52 | 2450036.02 | +6.4 | FAST | 3700-7594 | 1.47 | 6-7 | 90.0 | 0.4 | 1.04 | F34/H600 | 1-2 | 3.0 | 2×600 | PBe, EB |
| 1995-11-16.51 | 2450038.01 | +8.4 | FAST | 3700-7594 | 1.47 | 6-7 | 90.0 | 10.5 | 1.19 | F34/H600 | 1-2 | 3.0 | 2×600 | EB |
| 1995-11-18.53 | 2450040.03 | +10.4 | FAST | 3700-7591 | 1.47 | 6-7 | 90.0 | 6.5 | 1.01 | F34/H600 | 1-2 | 3.0 | 2×600 | EB |
| 1995-11-21.45 | 2450042.95 | +13.3 | FAST | 3700-7592 | 1.47 | 6-7 | 90.0 | 7.3 | 1.15 | F34/H600 | 1-2 | 3.0 | 2×600 | PBe |
| 1995-11-23.54 | 2450045.04 | +15.4 | FAST | 3700-7594 | 1.47 | 6-7 | 90.0 | 17.0 | 1.00 | F34/H600 | 1-2 | 3.0 | 2×600 | SKe |
| 1995-11-24.51 | 2450046.01 | +16.4 | MMTblue | 2954-8952 | 1.95 | 7-8 | ··· | 64.5 | 1.01 | ··· | ··· | ··· | 600 | ··· |
| 1995-11-24.53 | 2450046.03 | +16.4 | FAST | 3700-7592 | 1.47 | 6-7 | 90.0 | 11.6 | 1.01 | F34/H600 | 1-2 | 3.0 | 2×600 | SKe |
| 1995-11-26.46 | 2450047.96 | +18.3 | FAST | 3700-7589 | 1.47 | 6-7 | 90.0 | 4.3 | 1.09 | F34/H600 | 1-2 | 3.0 | 600 | ··· |
| 1995-11-27.52 | 2450049.02 | +19.4 | FAST | 3700-7592 | 1.47 | 6-7 | 90.0 | 15.7 | 1.00 | F34/H600 | 1 | 3.0 | 2×600 | ··· |
| 1995-12-03.40 | 2450054.90 | +25.2 | MMTblue | 3193-11138 | 1.18 | 3-4 | ··· | 57.4 | 1.23 | ··· | ··· | ··· | 900 | ··· |
| 1995-12-22.47 | 2450073.97 | +44.2 | FAST | 3700-7583 | 1.47 | 6-7 | 90.0 | 32.6 | 1.00 | F34/H600 | 1-2 | 3.0 | 2×900 | PBe |
| 1996-01-15.35 | 2450097.85 | +67.9 | FAST | 3700-7563 | 1.47 | 6-7 | 90.0 | 1.7 | 1.05 | F34/H600 | 1-2 | 3.0 | 2×900 | PBe |
| 1996-02-10.31 | 2450123.81 | +93.8 | FAST | 3700-7564 | 1.47 | 6-7 | 90.0 | 6.0 | 1.01 | F34/H600 | 1-2 | 3.0 | 2×1200 | PBe |
| **SN 1995bd** | | | | | | | | | | | | | | |
| 1995-12-23.34 | 2450074.84 | −12.0 | FAST | 3700-7583 | 1.47 | 6-7 | 90.0 | 48.0 | 1.20 | F34/H600 | 2 | 3.0 | 3×1200 | PBe |
| 1995-12-25.27 | 2450076.77 | −10.1 | FAST | 3700-7574 | 1.47 | 6-7 | 90.0 | 89.4 | 1.07 | F34/H600 | 1.8 | 3.0 | 1200 | TL |
| 1995-12-26.26 | 2450077.76 | −9.1 | FAST | 3700-7573 | 1.47 | 6-7 | 90.0 | 89.6 | 1.08 | F34/H600 | ··· | 3.0 | 3×1200 | TL |
| 1995-12-28.25 | 2450079.75 | −7.1 | FAST | 3700-7574 | 1.47 | 6-7 | 90.0 | 81.7 | 1.07 | F34/H600 | ··· | 3.0 | 3×1200 | TL |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1996-01-15.24 | 2450097.74 | +10.6 | FAST | 3700-7564 | 1.47 | 6-7 | 90.0 | 60.9 | 1.12 | F34/H600 | 1-2 | 3.0 | 3×900 | PBe |
| 1996-01-25.23 | 2450107.73 | +20.4 | FAST | 3700-7564 | 1.47 | 6-7 | 90.0 | 54.1 | 1.15 | F34/H600 | 2 | 3.0 | 4×900 | PBe |
| 1996-02-10.19 | 2450123.69 | +36.2 | FAST | 3700-7564 | 1.47 | 6-7 | 90.0 | 51.0 | 1.18 | F34/H600 | 1-2 | 3.0 | 3×1200 | PBe |
| 1996-02-24.11 | 2450137.61 | +49.9 | MMTblue | 3548-9049 | 1.96 | 7-8 | ··· | 77.0 | 1.09 | ··· | ··· | ··· | 837 | ··· |
| 1996-03-17.12 | 2450159.62 | +71.6 | MMTblue | 3406-9223 | 1.95 | 7-8 | ··· | 77.9 | 1.33 | ··· | ··· | 1.2 | 600 | ··· |
| **SN 1996C** | | | | | | | | | | | | | | |
| 1996-02-17.48 | 2450130.98 | +2.0 | FAST | 3700-7561 | 1.47 | 6-7 | 90.0 | 80.4 | 1.05 | F34/H600 | 2 | 3.0 | 1200 | DK |
| 1996-02-20.40 | 2450133.90 | +4.8 | FAST | 3700-7561 | 1.47 | 6-7 | 90.0 | 27.4 | 1.11 | F34/H600 | 1-2 | 3.0 | 1200 | PBe |
| 1996-02-23.44 | 2450136.94 | +7.8 | MMTblue | 3361-9343 | 1.95 | 7-8 | ··· | 87.1 | 1.06 | ··· | ··· | ··· | 900 | ··· |
| **SN 1996V** | | | | | | | | | | | | | | |
| 1996-04-11.24 | 2450184.74 | @0.0 | FAST | 3700-7554 | 1.47 | 6-7 | 90.0 | 86.6 | 1.14 | F34/F56 | 2 | 3.0 | 900 | PBe |
| **SN 1996X** | | | | | | | | | | | | | | |
| 1996-04-14.32 | 2450187.82 | −3.8 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 86.3 | 1.93 | F34/F56 | 1-2 | 3.0 | 600 | EB |
| 1996-04-15.32 | 2450188.82 | −2.8 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 86.0 | 1.93 | F34/F56 | 1-2 | 3.0 | 600 | EB |
| 1996-04-16.44 | 2450189.94 | −1.7 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 48.6 | 4.35 | F34/F56 | 1-2 | 3.0 | 900 | EB |
| 1996-04-17.33 | 2450190.83 | −0.8 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 81.7 | 1.96 | F34/F56 | 1-2 | 3.0 | 600 | EB |
| 1996-04-18.31 | 2450191.81 | +0.2 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 86.2 | 1.93 | F34/F56 | 2 | 3.0 | 600 | PBe |
| 1996-04-19.30 | 2450192.80 | +1.2 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 88.2 | 1.92 | F34/F56 | 1-2 | 3.0 | 600 | PBe |
| 1996-04-20.31 | 2450193.81 | +2.2 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 85.4 | 1.93 | F34/F56 | 1.6-2 | 3.0 | 600 | PBe |
| 1996-04-25.29 | 2450198.79 | +7.1 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 85.9 | 1.93 | F34/F56 | 1 | 3.0 | 600 | JHuc |
| 1996-04-26.28 | 2450199.78 | +8.1 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 87.9 | 1.92 | F34/F56 | 2 | 3.0 | 600 | JHuc |
| 1996-05-08.26 | 2450211.76 | +20.0 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 86.2 | 1.94 | F34/F56 | 1-2 | 3.0 | 900 | PBe |
| 1996-05-10.25 | 2450213.75 | +22.0 | FAST | 3700-7554 | 1.47 | 6-7 | 90.0 | 86.7 | 1.93 | F34/F56 | 1-2 | 3.0 | 900 | PBe |
| 1996-05-16.24 | 2450219.74 | +27.9 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 85.1 | 1.96 | F34/F56 | 2-3 | 3.0 | 1200 | PBe |
| 1996-05-21.22 | 2450224.72 | +32.9 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 87.8 | 1.93 | F34/F56 | 1-2 | 3.0 | 900 | PBe |
| 1996-06-06.19 | 2450240.69 | +48.7 | FAST | 3700-7557 | 1.47 | 6-7 | 90.0 | 83.1 | 1.96 | F34/F56 | 2 | 3.0 | 900 | PBe |
| 1996-06-15.28 | 2450249.78 | +57.8 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 49.6 | 4.31 | F34/F56 | 1.8 | 3.0 | 1200 | NG |
| **SN 1996Z** | | | | | | | | | | | | | | |
| 1996-05-18.18 | 2450221.68 | +4.1 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 51.7 | 2.72 | F34/F56 | 2 | 3.0 | 900 | EB |
| 1996-05-20.17 | 2450223.67 | +6.1 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 52.9 | 2.52 | F34/F56 | 2 | 3.0 | 600 | EB |
| 1996-05-22.17 | 2450225.67 | +8.1 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 52.0 | 2.64 | F34/F56 | 1-2 | 3.0 | 720 | PBe |
| 1996-05-24.18 | 2450227.68 | +10.1 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 49.5 | 3.12 | F34/F56 | 2 | 3.0 | 1200 | PBe |
| 1996-05-28.16 | 2450231.66 | +14.0 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 48.9 | 3.09 | F34/F56 | 3 | 3.0 | 900 | DK |
| 1996-06-06.17 | 2450240.67 | +23.0 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 42.2 | 5.26 | F34/F56 | 2-3 | 3.0 | 900 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SN 1996ab** | | | | | | | | |
| 1996-05-22.37 | 2450225.87 | +1.3 | FAST | 3700-7511 | 1.47 | 6-7 | 90.0 | 15.6 | 1.12 | F34/F56 | 1-2 | 3.0 | 2×1200 | PBe |
| | | | | | | **SN 1996ac** | | | | | | | | |
| 1996-05-24.19 | 2450227.69 | @0.0 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 76.5 | 1.18 | F34/F56 | 1-2 | 3.0 | 900 | PBe |
| | | | | | | **SN 1996ai** | | | | | | | | |
| 1996-06-20.17 | 2450254.67 | −0.9 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 11.7 | 1.06 | F34/F56 | 1.5 | 3.0 | 600 | PBe |
| 1996-06-20.15 | 2450254.65 | −0.9 | MMTblue | 3134-8880 | 1.96 | 7-8 | ··· | 7.6 | 1.03 | ··· | ··· | ··· | 300 | ··· |
| 1996-06-21.23 | 2450255.73 | +0.1 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 2.4 | 1.23 | F34/F56 | 2 | 3.0 | 900 | PBe |
| 1996-06-23.27[q] | 2450257.77 | +2.2 | FAST | 3700-10880 | 1.47 | 6-7 | 90.0 | 11.4 | 1.54 | F34/F56/HZ44 | 1 | 3.0 | 2×600 | JHuc |
| 1996-06-25.26 | 2450259.76 | +4.2 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 10.0 | 1.48 | F34/F56 | 1 | 3.0 | 900 | JHuc |
| 1996-07-06.23 | 2450270.73 | +15.1 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 9.0 | 1.47 | F34/F56 | 2 | 3.0 | 2×1200 | PBe |
| 1996-07-16.18 | 2450280.68 | +25.0 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 6.3 | 1.36 | F34/F56 | 2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 1996bk** | | | | | | | | |
| 1996-10-15.10 | 2450371.60 | +2.5 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 25.1 | 2.70 | F66/H600 | 1 | 3.0 | 300,600 | JHuc, LM |
| | | | | | | **SN 1996bl** | | | | | | | | |
| 1996-10-16.29 | 2450372.79 | −4.0 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 81.0 | 1.08 | F66/H600 | 1-2 | 3.0 | 1200 | PBe |
| 1996-10-18.18 | 2450374.68 | −2.2 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 39.4 | 1.20 | F66/H600 | 2-3 | 3.0 | 2×900 | JHuc |
| 1996-11-03.25 | 2450390.75 | +13.3 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 74.9 | 1.09 | F66/H600 | 2 | 3.0 | 1200 | PBe |
| 1996-11-08.24 | 2450395.74 | +18.1 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 69.8 | 1.09 | F66/H600 | 2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 1996bo** | | | | | | | | |
| 1996-11-03.27 | 2450390.77 | +3.3 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 75.2 | 1.07 | F66/H600 | 2 | 3.0 | 1200 | PBe |
| 1996-11-05.24 | 2450392.74 | +5.2 | FAST | 3700-7554 | 1.47 | 6-7 | 90.0 | 60.8 | 1.08 | F66/H600 | 1-2 | 3.0 | 1200 | JPe |
| 1996-11-07.15 | 2450394.65 | +7.1 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 33.2 | 1.35 | F66/H600 | 1-2 | 3.0 | 1200 | JPe |
| 1996-11-09.28 | 2450396.78 | +9.2 | FAST | 3700-7551 | 1.47 | 6-7 | 90.0 | 79.3 | 1.07 | F66/H600 | 1-2 | 3.0 | 900 | PBe |
| 1996-11-11.27 | 2450398.77 | +11.1 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 84.0 | 1.07 | F66/H600 | 1-2 | 3.0 | 900 | HA |
| | | | | | | **SN 1996bt** | | | | | | | | |
| 1996-11-12.44 | 2450399.94 | @0.0 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 66.5 | 1.04 | F66/H600 | 2-3 | 3.0 | 900 | HA |
| | | | | | | **SN 1996bv** | | | | | | | | |
| 1997-01-02.33 | 2450450.83 | +45.6 | FAST | 3886-7557 | 1.47 | 6-7 | 90.0 | 75.4 | 1.12 | F66/H600 | 1-2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 1996by** | | | | | | | | |
| 1996-12-17.37 | 2450434.87 | @0.0 | FAST | 3700-7549 | 1.47 | 6-7 | 90.0 | 71.6 | 1.27 | F66/H600 | 2-5 | 3.0 | 1020 | PBe |
| 1996-12-18.27 | 2450435.77 | @0.9 | FAST | 3700-7549 | 1.47 | 6-7 | 90.0 | 59.0 | 1.27 | F66/H600 | 3 | 3.0 | 1020 | PBe |
| 1997-01-02.31 | 2450450.81 | @15.7 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 81.2 | 1.26 | F66/H600 | 1-2 | 3.0 | 1200 | PBe |
| 1997-01-08.33 | 2450456.83 | @21.7 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 62.4 | 1.29 | F66/H600 | 3 | 3.0 | 900 | JHuc, JM |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1997-01-09.33 | 2450457.83 | @22.6 | FAST | 3700-7555 | 1.47 | 6-7 | 90.0 | 57.2 | 1.31 | F66/H600 | 3 | 3.0 | 900 | JHuc, JM |
| 1997-01-31.24 | 2450479.74 | @44.3 | FAST | 3700-7554 | 1.47 | 6-7 | 90.0 | 74.7 | 1.27 | F66/H600 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1996ca** | | | | | | | | | | | | | | |
| 1996-12-17.10 | 2450434.60 | @0.0 | FAST | 3700-7551 | 1.47 | 6-7 | 90.0 | 57.0 | 1.82 | F66/H600 | 2-5 | 3.0 | 900 | PBe |
| 1996-12-18.09 | 2450435.59 | @1.0 | FAST | 3700-7554 | 1.47 | 6-7 | 90.0 | 58.9 | 1.77 | F66/H600 | 3 | 3.0 | 2×900 | PBe |
| 1997-01-02.09 | 2450450.59 | @15.7 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 49.5 | 2.28 | F66/H600 | 2 | 3.0 | 1200 | PBe |
| 1997-01-10.10 | 2450458.60 | @23.6 | FAST | 3858-7555 | 1.47 | 6-7 | 90.0 | 43.3 | 3.13 | F66/H600 | 2 | 3.0 | 1200 | PBe |
| **SN 1997E** | | | | | | | | | | | | | | |
| 1997-01-16.25 | 2450464.75 | −3.7 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 75.2 | 1.37 | F66/H600 | ··· | 3.0 | 1200 | JPe |
| 1997-01-31.26 | 2450479.76 | +11.2 | FAST | 3700-7554 | 1.47 | 6-7 | 90.0 | 85.0 | 1.37 | F66/H600 | 1-2 | 3.0 | 1200 | PBe |
| 1997-02-09.23 | 2450488.73 | +20.0 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 87.7 | 1.37 | F66/H600 | 2 | 3.0 | 1200 | JM |
| 1997-03-02.13 | 2450509.63 | +40.6 | FAST | 3700-7551 | 1.47 | 6-7 | 90.0 | 74.5 | 1.37 | F66/H600 | 2-3 | 3.0 | 1200 | PBe |
| **SN 1997Y** | | | | | | | | | | | | | | |
| 1997-02-09.41 | 2450488.91 | +1.9 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 45.6 | 1.12 | F66/H600 | 2 | 3.0 | 1200 | JM |
| 1997-02-10.40 | 2450489.90 | +2.9 | FAST | 3885-7552 | 1.47 | 6-7 | 90.0 | 44.5 | 1.12 | F66/H600 | 2 | 3.0 | 1200 | JM |
| 1997-02-14.47 | 2450493.97 | +6.9 | FAST | 3744-7555 | 1.47 | 6-7 | 90.0 | 77.6 | 1.10 | F66/H600 | 2 | 3.0 | 1200 | PBe |
| 1997-03-02.35 | 2450509.85 | +22.5 | FAST | 3700-7552 | 1.47 | 6-7 | 90.0 | 45.3 | 1.12 | F66/H600 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1997bp** | | | | | | | | | | | | | | |
| 1997-04-07.42 | 2450545.92 | −3.0 | MMTblue | 2976-8933 | 1.95 | 7-8 | ··· | 79.4 | 1.97 | ··· | ··· | ··· | 300 | PC |
| 1997-04-09.29 | 2450547.79 | −1.2 | FAST | 3700-7517 | 1.47 | 6-7 | 60.0 | 66.8 | 1.38 | F66/H600 | 1-2 | 3.0 | 600 | JPe |
| 1997-04-10.27 | 2450548.77 | −0.2 | FAST | 3700-7560 | 1.47 | 6-7 | 60.0 | 73.1 | 1.39 | F66/H600 | 1-2 | 3.0 | 600 | JPe |
| 1997-04-11.30 | 2450549.80 | +0.8 | FAST | 3700-7563 | 1.47 | 6-7 | 60.0 | 60.0 | 1.38 | F66/H600 | 2 | 3.0 | 600 | NG |
| 1997-04-12.31 | 2450550.81 | +1.8 | FAST | 3700-7563 | 1.47 | 6-7 | 60.0 | 54.7 | 1.38 | F66/H600 | 2 | 3.0 | 600 | NG |
| 1997-04-13.31 | 2450551.81 | +2.8 | FAST | 3700-7563 | 1.47 | 6-7 | 60.0 | 52.8 | 1.39 | F66/H600 | 3 | 3.0 | 600 | PBe |
| 1997-04-14.30 | 2450552.80 | +3.8 | FAST | 3700-7563 | 1.47 | 6-7 | 60.0 | 55.1 | 1.38 | F66/H600 | 1-2 | 3.0 | 600 | PBe |
| 1997-04-29.26 | 2450567.76 | +18.6 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 56.8 | 1.38 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| 1997-05-08.15 | 2450576.65 | +27.4 | FAST | 3720-7539 | 1.50 | 6-7 | 140.0 | 10.5 | 1.51 | F34 | 2 | 3.0 | 2×900 | JPe |
| 1997-05-12.22 | 2450580.72 | +31.5 | FAST | 3700-7546 | 1.47 | 6-7 | 90.0 | 87.6 | 1.38 | F66/H600 | 2 | 3.0 | 2×900 | PBe |
| 1997-05-30.18 | 2450598.68 | +49.3 | FAST | 3700-7567 | 1.47 | 6-7 | 90.0 | 84.9 | 1.39 | F66/H600 | 2 | 3.0 | 2×900 | JPe, AM |
| 1997-06-04.20 | 2450603.70 | +54.3 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 70.7 | 1.48 | F66/H600 | 2 | 3.0 | 2×900 | PBe |
| 1997-06-10.20 | 2450609.70 | +60.2 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 64.3 | 1.56 | F66/H600 | 1-2 | 3.0 | 2×900 | PBe |
| **SN 1997bq** | | | | | | | | | | | | | | |
| 1997-04-08.14 | 2450546.64 | −11.6 | MMTblue | 2931-8922 | 1.95 | 7-8 | ··· | 80.9 | 1.36 | ··· | ··· | ··· | 300 | PC |
| 1997-04-09.15 | 2450547.65 | −10.6 | FAST | 3700-7514 | 1.47 | 6-7 | 60.0 | 34.9 | 1.35 | F66/H600 | 1-2 | 3.0 | 1200 | JPe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1997-04-10.16 | 2450548.66 | −9.6 | FAST | 3700-7558 | 1.47 | 6-7 | 60.0 | 41.4 | 1.35 | F66/H600 | 1-2 | 3.0 | 1200 | JPe |
| 1997-04-11.13 | 2450549.63 | −8.7 | FAST | 3700-7560 | 1.47 | 6-7 | 60.0 | 30.2 | 1.37 | F66/H600 | 1-2 | 3.0 | 1200,600 | NG |
| 1997-04-12.13 | 2450550.63 | −7.7 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 34.3 | 1.47 | F66/H600 | 2 | 3.0 | 720 | NG |
| 1997-04-13.22 | 2450551.72 | −6.6 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 73.6 | 1.36 | F66/H600 | 3 | 3.0 | 1200 | PBe |
| 1997-04-14.21 | 2450552.71 | −5.6 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 70.6 | 1.35 | F66/H600 | 2 | 3.0 | 1200 | PBe |
| 1997-04-29.17 | 2450567.67 | +9.2 | FAST | 3700-7560 | 1.47 | 6-7 | 60.0 | 72.6 | 1.35 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| 1997-05-01.17 | 2450569.67 | +11.2 | FAST | 3700-7560 | 1.47 | 6-7 | 60.0 | 74.0 | 1.35 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| 1997-05-02.19 | 2450570.69 | +12.2 | MMTblue | 3190-8932 | 1.95 | 6-7 | ··· | 80.9 | 1.39 | ··· | ··· | 1.0 | 300 | PC |
| 1997-05-09.16 | 2450577.66 | +19.1 | FAST | 3700-7542 | 1.47 | 6-7 | 140.0 | 21.0 | 1.36 | F66/H600 | 2 | 3.0 | 2×900 | JPe |
| 1997-05-31.18 | 2450599.68 | +40.9 | FAST | 3700-7566 | 1.47 | 6-7 | 90.0 | 34.2 | 1.51 | F66/H600 | 2 | 3.0 | 2×900 | AM |
| 1997-06-06.18 | 2450605.68 | +46.9 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 28.8 | 1.55 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| **SN 1997br** | | | | | | | | | | | | | | |
| 1997-04-13.32 | 2450551.82 | −8.0 | FAST | 3700-7563 | 1.47 | 6-7 | 60.0 | 59.6 | 1.69 | F66/H600 | 3 | 3.0 | 600 | PBe |
| 1997-04-14.31 | 2450552.81 | −7.0 | FAST | 3700-7563 | 1.47 | 6-7 | 60.0 | 61.6 | 1.69 | F66/H600 | 1-2 | 3.0 | 600 | PBe |
| 1997-04-29.28 | 2450567.78 | +7.9 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 57.3 | 1.70 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| 1997-05-01.27 | 2450569.77 | +9.9 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 62.0 | 1.69 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| 1997-05-03.29 | 2450571.79 | +11.9 | MMTblue | 3180-8963 | 1.95 | 6-7 | ··· | 78.9 | 1.75 | ··· | ··· | 1.0 | 600 | PC |
| 1997-05-08.26 | 2450576.76 | +16.8 | FAST | 3720-7539 | 1.50 | 6-7 | 140.0 | 41.7 | 1.70 | F34 | 2 | 3.0 | 3×900 | JPe |
| 1997-05-12.25 | 2450580.75 | +20.8 | FAST | 3700-7546 | 1.47 | 6-7 | 90.0 | 88.0 | 1.70 | F66/H600 | 3 | 3.0 | 2×900 | PBe |
| 1997-05-29.24 | 2450597.74 | +37.6 | FAST | 3700-7544 | 1.47 | 6-7 | 90.0 | 72.8 | 1.85 | F66/H600 | 2 | 3.0 | 2×900 | JPe, AM |
| 1997-06-02.19 | 2450601.69 | +41.5 | FAST | 3700-7564 | 1.47 | 6-7 | 90.0 | 87.3 | 1.70 | F66/H600 | 2-3 | 3.0 | 2×900 | AM |
| 1997-06-09.18 | 2450608.68 | +48.5 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 82.2 | 1.73 | F66/H600 | 2-3 | 3.0 | 2×900 | JPe |
| 1997-07-02.17 | 2450631.67 | +71.3 | MMTblue | 3259-8639 | 1.96 | 7-8 | ··· | 78.8 | 2.00 | ··· | ··· | ··· | 660 | PBe |
| **SN 1997by** | | | | | | | | | | | | | | |
| 1997-04-30.30 | 2450568.80 | @0.0 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 52.9 | 2.00 | F66/H600 | 2-3 | 3.0 | 1200 | PBe |
| 1997-05-01.29 | 2450569.79 | @0.9 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 55.3 | 1.97 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| 1997-05-09.24 | 2450577.74 | @8.6 | FAST | 3700-7544 | 1.47 | 6-7 | 140.0 | 35.2 | 1.94 | F66/H600 | 2 | 3.0 | 2×900 | JPe |
| **SN 1997bz** | | | | | | | | | | | | | | |
| 1997-04-30.19 | 2450568.69 | @0.0 | FAST | 3700-7561 | 1.47 | 6-7 | 60.0 | 59.6 | 1.17 | F66/H600 | 2-3 | 3.0 | 1200 | PBe |
| 1997-05-02.15 | 2450570.65 | @1.9 | MMTblue | 3268-8928 | 1.95 | 6-7 | ··· | 78.4 | 1.16 | ··· | ··· | 1.0 | 600 | PC |
| **SN 1997cn** | | | | | | | | | | | | | | |
| 1997-05-29.27 | 2450597.77 | +10.9 | FAST | 3700-7544 | 1.47 | 6-7 | 90.0 | 47.3 | 1.09 | F66/H600 | 2 | 3.0 | 2×900 | JPe, AM |
| 1997-05-30.20 | 2450598.70 | +11.9 | FAST | 3700-7567 | 1.47 | 6-7 | 90.0 | 66.3 | 1.03 | F66/H600 | 2 | 3.0 | 2×900 | JPe, AM |
| 1997-05-31.33 | 2450599.83 | +13.0 | FAST | 3700-7567 | 1.47 | 6-7 | 90.0 | 28.9 | 1.36 | F66/H600 | 3 | 3.0 | 2×900 | AM |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1997-06-01.35 | 2450600.85 | +14.0 | FAST | 3700-7566 | 1.47 | 6-7 | 90.0 | 27.7 | 1.49 | F66/H600 | 2 | 3.0 | 2×900 | AM |
| 1997-06-02.36 | 2450601.86 | +15.0 | FAST | 3700-7566 | 1.47 | 6-7 | 90.0 | 27.2 | 1.59 | F66/H600 | 2 | 3.0 | 2×900 | AM |
| 1997-06-03.23 | 2450602.73 | +15.8 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 73.3 | 1.04 | F66/H600 | 2 | 3.0 | 2×900 | PBe |
| 1997-06-05.30 | 2450604.80 | +17.9 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 31.7 | 1.24 | F66/H600 | 2-3 | 3.0 | 2×900 | PBe |
| 1997-06-07.18 | 2450606.68 | +19.7 | FAST | 3735-7557 | 1.47 | 6-7 | 90.0 | 65.9 | 1.03 | F66/H600 | 2-3 | 3.0 | 2×900 | JPe |
| 1997-06-08.29 | 2450607.79 | +20.8 | FAST | 3766-7560 | 1.47 | 6-7 | 90.0 | 32.3 | 1.22 | F66/H600 | 2-3 | 3.0 | 2×900 | JPe |
| 1997-06-09.21 | 2450608.71 | +21.7 | FAST | 3700-7558 | 1.47 | 6-7 | 90.0 | 76.7 | 1.04 | F66/H600 | 2-3 | 3.0 | 2×900 | JPe |
| 1997-06-11.22 | 2450610.72 | +23.7 | FAST | 3722-7558 | 1.47 | 6-7 | 90.0 | 55.5 | 1.06 | F66/H600 | 1-2 | 3.0 | 2×900 | PBe |
| 1997-07-01.25 | 2450630.75 | +43.4 | MMTblue | 3263-8630 | 1.96 | 7-8 | ··· | 74.2 | 1.37 | ··· | ··· | ··· | 1200 | PBe |
| **SN 1997ct** | | | | | | | | | | | | | | |
| 1997-07-01.29 | 2450630.79 | @0.0 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 18.9 | 1.60 | F66/H600 | 1-2 | 3.0 | 900 | DK |
| **SN 1997cw** | | | | | | | | | | | | | | |
| 1997-07-14.46 | 2450643.96 | @0.0 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 46.0 | 1.11 | F66/H600 | 1-2 | 3.0 | 2×900 | PBe |
| 1997-09-07.43 | 2450698.93 | @54.0 | MMTblue | 3209-8921 | 1.96 | 7-8 | ··· | 75.4 | 1.13 | ··· | ··· | ··· | 1200 | ··· |
| **SN 1997do** | | | | | | | | | | | | | | |
| 1997-11-02.46 | 2450754.96 | −11.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 38.7 | 1.07 | F34 | 1-2 | 3.0 | 600 | DK |
| 1997-11-03.43 | 2450755.93 | −10.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 24.7 | 1.11 | F34 | 1 | 3.0 | 600 | DK |
| 1997-11-06.51 | 2450759.01 | −7.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 87.4 | 1.04 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1997-11-07.51 | 2450760.01 | −6.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 82.3 | 1.04 | F34 | 1-2 | 3.0 | 900 | PBe |
| 1997-11-22.45 | 2450774.95 | +8.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 82.2 | 1.05 | F34 | 1-2 | 3.0 | 1200,900 | PBe |
| 1997-11-24.45 | 2450776.95 | +10.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 83.3 | 1.04 | F34 | 1-2 | 3.0 | 900 | PBe |
| 1997-11-25.38 | 2450777.88 | +11.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 26.2 | 1.09 | F34 | 2 | 3.0 | 1020 | PBe |
| 1997-11-26.37 | 2450778.87 | +12.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 24.9 | 1.09 | F34 | 2 | 3.0 | 1200 | PBe |
| 1997-11-28.50 | 2450781.00 | +14.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 44.2 | 1.08 | F34 | 2 | 3.0 | 1200 | PBe |
| 1997-11-29.55 | 2450782.05 | +15.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 14.7 | 1.21 | F34 | 1.5 | 3.0 | 720 | PBe |
| 1997-12-04.33 | 2450786.83 | +20.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 15.6 | 1.15 | F34 | 2 | 3.0 | 900 | JM |
| 1997-12-05.30 | 2450787.80 | +21.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 6.0 | 1.24 | F34 | 2 | 3.0 | 900 | JM |
| 1997-12-05.35 | 2450787.85 | +21.0 | MMTblue | 3195-8836 | 1.95 | 7-8 | ··· | 85.9 | 1.10 | ··· | ··· | ··· | 600 | ··· |
| 1998-01-01.40[r] | 2450814.90 | +47.8 | FAST | 3700-7560 | 1.47 | 6-7 | 90.0 | 51.7 | 1.07 | F66/H600 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1997dt** | | | | | | | | | | | | | | |
| 1997-11-23.19 | 2450775.69 | −10.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 36.3 | 1.20 | F34 | 1-2 | 3.0 | 900 | PBe, JK |
| 1997-11-24.09 | 2450776.59 | −9.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 68.5 | 1.04 | F34 | 1-2 | 3.0 | 1200 | PBe, JK |
| 1997-11-25.11 | 2450777.61 | −8.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 80.8 | 1.05 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1997-11-26.14 | 2450778.64 | −7.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 55.2 | 1.08 | F34 | 2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1997-11-29.11 | 2450781.61 | −4.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 76.4 | 1.05 | F34 | 2 | 3.0 | 1200 | PBe |
| 1997-12-04.11 | 2450786.61 | +0.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 60.3 | 1.07 | F34 | 2 | 3.0 | 1200 | JM |
| 1997-12-06.11 | 2450788.61 | +2.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 57.4 | 1.08 | F34 | 2 | 3.0 | 1200 | JM |
| 1997-12-28.12[r] | 2450810.62 | +24.1 | FAST | 3633-7560 | 1.47 | 6-7 | 90.0 | 30.2 | 1.37 | F66/H600 | 2 | 3.0 | 2×600 | LM |
| **SN 1998D** | | | | | | | | | | | | | | |
| 1998-02-22.43 | 2450866.93 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 3.8 | 1.03 | H600 | 3 | 3.0 | 1200 | PBe, BC |
| 1998-02-24.49 | 2450868.99 | @2.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 66.1 | 1.01 | H600 | 2 | 3.0 | 1200 | BC |
| 1998-03-04.42 | 2450876.92 | @9.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 10.3 | 1.01 | F34 | 1-2 | 3.0 | 1200 | JHuc |
| 1998-03-21.50 | 2450894.00 | @26.7 | FAST | 3720-7518 | 1.50 | 6-7 | 90.0 | 2.0 | 1.16 | F34 | 2 | 3.0 | 1200 | DK |
| **SN 1998V** | | | | | | | | | | | | | | |
| 1998-03-19.51 | 2450892.01 | +0.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 36.6 | 1.13 | F34 | 3 | 3.0 | 900 | DK, MC |
| 1998-03-20.50 | 2450893.00 | +1.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 34.4 | 1.16 | F34 | 2 | 3.0 | 900 | DK |
| 1998-03-21.51 | 2450894.01 | +2.3 | FAST | 3720-7509 | 1.50 | 6-7 | 90.0 | 36.4 | 1.13 | F34 | 2 | 3.0 | 900 | DK |
| 1998-03-31.48 | 2450903.98 | +12.1 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 37.7 | 1.12 | F34 | 2-3 | 3.0 | 900 | JM |
| 1998-04-01.50 | 2450905.00 | +13.1 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 43.6 | 1.08 | F34 | 1-2 | 3.0 | 900 | PBe, MC |
| 1998-04-03.49 | 2450906.99 | +15.0 | FAST | 3720-7500 | 1.50 | 6-7 | 90.0 | 43.2 | 1.08 | F34 | 1-2 | 3.0 | 900 | PBe, MC |
| 1998-04-19.50[r] | 2450923.00 | +30.8 | FAST | 3720-6799 | 1.50 | 6-7 | 90.0 | 77.3 | 1.04 | F34 | 2 | 3.0 | 1200 | PBe, MC |
| 1998-04-29.50 | 2450933.00 | +40.6 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 72.0 | 1.06 | F34 | 2 | 3.0 | 1200 | PBe |
| 1998-05-02.49 | 2450935.99 | +43.5 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 77.9 | 1.05 | F34 | 3 | 3.0 | 1200 | MC |
| **SN 1998ab** | | | | | | | | | | | | | | |
| 1998-04-03.38 | 2450906.88 | −7.8 | FAST | 3720-7500 | 1.50 | 6-7 | 90.0 | 27.6 | 1.07 | F34 | 1-2 | 3.0 | 900 | PBe, MC |
| 1998-04-18.28[r] | 2450921.78 | +6.7 | FAST | 3720-6801 | 1.50 | 6-7 | 90.0 | 76.4 | 1.02 | F34 | 1-2 | 3.0 | 1200 | PBe, MC |
| 1998-04-19.29[r] | 2450922.79 | +7.7 | FAST | 3499-7140 | 1.50 | 6-7 | 90.0 | 78.1 | 1.02 | F110 | 2 | 3.0 | 1200 | PBe, MC |
| 1998-04-29.28 | 2450932.78 | +17.5 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 52.3 | 1.03 | F34 | 2 | 3.0 | 900 | PBe |
| 1998-04-30.26 | 2450933.76 | +18.4 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 72.0 | 1.02 | F34 | 2 | 3.0 | 900 | MC |
| 1998-05-01.27 | 2450934.77 | +19.4 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 51.2 | 1.03 | F34 | 3 | 3.0 | 900 | MC |
| 1998-05-02.26 | 2450935.76 | +20.4 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 68.9 | 1.02 | F34 | 3 | 3.0 | 900 | MC |
| 1998-05-03.26 | 2450936.76 | +21.3 | FAST | 3720-7515 | 1.50 | 6-7 | 90.0 | 59.6 | 1.03 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1998-05-04.28 | 2450937.78 | +22.3 | FAST | 3720-7512 | 1.50 | 6-7 | 90.0 | 38.6 | 1.05 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1998-05-16.24 | 2450949.74 | +34.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 49.2 | 1.04 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1998-05-18.22 | 2450951.72 | +35.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 67.4 | 1.03 | F34 | 1 | 3.0 | 1200 | MC |
| 1998-05-28.24 | 2450961.74 | +45.7 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 19.9 | 1.10 | F34 | 2 | 3.0 | 1200 | PBe |
| 1998-06-01.22 | 2450965.72 | +49.5 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 25.0 | 1.08 | F34 | 2 | 3.0 | 1200 | MC |
| **SN 1998an** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1998-04-18.17 | 2450921.67 | @0.0 | FAST | 3720-6801 | 1.50 | 6-7 | 90.0 | 6.6 | 1.32 | F34 | 3 | 3.0 | 1200 | PBe, MC |
| **SN 1998aq** | | | | | | | | | | | | | | |
| 1998-04-18.29[r] | 2450921.79 | −9.9 | FAST | 3720-7419 | 1.50 | 6-7 | 90.0 | 59.7 | 1.12 | F34 | 1-2 | 3.0 | 900 | PBe, MC |
| 1998-04-19.26[r] | 2450922.76 | −8.9 | FAST | 3499-7140 | 1.50 | 6-7 | 90.0 | 73.0 | 1.10 | F110 | 2 | 3.0 | 900 | PBe, MC |
| 1998-04-24.37[r] | 2450927.87 | −3.8 | FAST | 4080-6079 | 0.75 | 2-3 | 110.0 | 5.4 | 1.38 | F34 | 2 | 2.0 | 1200 | SKa, NL |
| 1998-04-27.29[r] | 2450930.79 | −0.9 | FAST | 3720-7500 | 1.50 | 6-7 | ··· | 59.4 | 1.17 | F34 | 2 | 3.0 | 600 | PBe |
| 1998-04-28.26 | 2450931.76 | +0.0 | FAST | 3720-7510 | 1.50 | 6-7 | 90.0 | 58.6 | 1.12 | F34 | 2 | 3.0 | 600 | PBe |
| 1998-04-29.26 | 2450932.76 | +1.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 55.0 | 1.13 | F34 | 2 | 3.0 | 600 | PBe |
| 1998-04-30.24 | 2450933.74 | +2.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 62.8 | 1.11 | F34 | 2 | 3.0 | 600 | MC |
| 1998-05-01.25 | 2450934.75 | +3.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 55.2 | 1.13 | F34 | 3 | 3.0 | 600 | MC |
| 1998-05-02.23 | 2450935.73 | +4.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 68.4 | 1.10 | F34 | 3 | 3.0 | 600 | MC |
| 1998-05-03.24 | 2450936.74 | +5.0 | FAST | 3720-7515 | 1.50 | 6-7 | 90.0 | 58.0 | 1.12 | F34 | 1-2 | 3.0 | 600 | PBe |
| 1998-05-04.26 | 2450937.76 | +6.0 | FAST | 3720-7512 | 1.50 | 6-7 | 90.0 | 46.3 | 1.15 | F34 | 1-2 | 3.0 | 600 | PBe |
| 1998-05-16.17 | 2450949.67 | +17.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 86.9 | 1.09 | F34 | 1-2 | 3.0 | 600 | PBe |
| 1998-05-18.20 | 2450951.70 | +19.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 61.8 | 1.11 | F34 | 1 | 3.0 | 600 | MC |
| 1998-05-28.22 | 2450961.72 | +29.9 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 31.3 | 1.21 | F34 | 2 | 3.0 | 660 | PBe |
| 1998-05-29.19 | 2450962.69 | +30.9 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 45.4 | 1.15 | F34 | 2-3 | 3.0 | 660 | PBe |
| 1998-05-31.20 | 2450964.70 | +32.9 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 40.8 | 1.17 | F34 | 2 | 3.0 | 900 | MC |
| 1998-06-02.23 | 2450966.73 | +34.9 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 22.2 | 1.27 | BD28 | 3 | 3.0 | 600 | MC |
| 1998-06-17.16 | 2450981.66 | +49.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 33.9 | 1.21 | BD28 | 1-2 | 3.0 | 900 | BC |
| 1998-06-21.18 | 2450985.68 | +53.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 22.7 | 1.28 | BD28 | 1-2 | 3.0 | 900 | MC |
| 1998-06-24.19 | 2450988.69 | +56.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 16.4 | 1.35 | BD28 | 1-2 | 3.0 | 900 | PBe |
| 1998-06-26.18 | 2450990.68 | +58.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 14.7 | 1.36 | BD28 | 1-2 | 3.0 | 720 | PBe, KR |
| 1998-06-29.17 | 2450993.67 | +61.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 16.9 | 1.34 | BD28 | 1-2 | 3.0 | 900 | KR |
| 1998-07-02.17 | 2450996.67 | +64.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 13.8 | 1.37 | BD28 | 2 | 3.0 | 660 | PBe |
| 1998-07-15.21 | 2451009.71 | +77.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 7.9 | 1.92 | BD28 | 2 | 3.0 | 1200 | PBe |
| 1998-07-18.18 | 2451012.68 | +80.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 2.4 | 1.67 | BD28 | ··· | 3.0 | 600 | MC |
| 1998-07-27.17 | 2451021.67 | +89.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 7.2 | 1.86 | BD28 | 2 | 3.0 | 900 | PBe |
| 1998-11-24.54 | 2451142.04 | +209.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 27.2 | 1.19 | F34 | 1 | 3.0 | 900,1200 | KR, JHuc |
| 1998-12-14.54 | 2451162.04 | +229.4 | FAST | 3720-7540 | 1.50 | 6-7 | 59.0 | 23.2 | 1.11 | F34 | 1-2 | 3.0 | 2×1200 | MC, AM |
| 1998-12-24.54 | 2451172.04 | +239.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 72.5 | 1.09 | F34 | 2 | 3.0 | 2×1200 | MC |
| **SN 1998bn** | | | | | | | | | | | | | | |
| 1998-04-28.24 | 2450931.74 | @0.0 | FAST | 3720-7509 | 1.50 | 6-7 | 90.0 | 88.6 | 1.74 | F34 | 2 | 3.0 | 600 | PBe |
| 1998-04-30.27 | 2450933.77 | @2.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 77.1 | 1.82 | F34 | 2 | 3.0 | 600 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1998-05-01.25 | 2450934.75 | @3.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 84.1 | 1.76 | F34 | 2 | 3.0 | 600 | MC |
| 1998-05-02.24 | 2450935.74 | @4.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 84.3 | 1.76 | F34 | 3 | 3.0 | 600 | MC |
| 1998-05-04.25 | 2450937.75 | @6.0 | FAST | 3720-7512 | 1.50 | 6-7 | 90.0 | 81.6 | 1.78 | F34 | 1-2 | 3.0 | 660 | PBe |
| 1998-05-18.18 | 2450951.68 | @19.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 88.0 | 1.73 | F34 | 1 | 3.0 | 600 | MC |
| **SN 1998bp** | | | | | | | | | | | | | | |
| 1998-04-30.47 | 2450933.97 | −2.9 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 84.3 | 1.03 | F34 | 2 | 3.0 | 1200 | MC |
| 1998-05-01.47 | 2450934.97 | −1.9 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 77.3 | 1.03 | F34 | 3 | 3.0 | 900 | MC |
| 1998-05-02.47 | 2450935.97 | −0.9 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 69.2 | 1.04 | F34 | 3 | 3.0 | 900 | MC |
| 1998-05-03.45 | 2450936.95 | +0.1 | FAST | 3720-7515 | 1.50 | 6-7 | 90.0 | 90.0 | 1.03 | F34 | 1-2 | 3.0 | 900 | PBe |
| 1998-05-04.39 | 2450937.89 | +1.0 | FAST | 3720-7512 | 1.50 | 6-7 | 90.0 | 38.1 | 1.07 | F34 | 1-2 | 3.0 | 900 | PBe |
| 1998-05-16.44 | 2450949.94 | +12.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 63.6 | 1.04 | F34 | 1-2 | 3.0 | 840 | PBe |
| 1998-05-18.36 | 2450951.86 | +14.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 39.0 | 1.06 | F34 | 1 | 3.0 | 1200 | MC |
| 1998-05-28.47 | 2450961.97 | +24.8 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 33.5 | 1.19 | F34 | 2 | 3.0 | 900 | PBe |
| 1998-05-29.42 | 2450962.92 | +25.8 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 49.8 | 1.07 | F34 | 2-3 | 3.0 | 900 | PBe |
| 1998-05-31.40 | 2450964.90 | +27.7 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 64.9 | 1.05 | F34 | 2 | 3.0 | 1200 | MC |
| 1998-06-02.35 | 2450966.85 | +29.6 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 63.9 | 1.03 | BD28 | 3 | 3.0 | 900 | MC |
| 1998-07-19.25 | 2451013.75 | +76.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 81.5 | 1.04 | BD28 | 2-3 | 3.0 | 1200 | MC |
| **SN 1998bu** | | | | | | | | | | | | | | |
| 1998-05-16.15 | 2450949.65 | −3.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 63.3 | 1.09 | F34 | 1-2 | 3.0 | 3×300 | PBe |
| 1998-05-17.15 | 2450950.65 | −2.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 59.1 | 1.10 | F34 | 1-2 | 3.0 | 3×300 | MC |
| 1998-05-18.16 | 2450951.66 | −1.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 53.7 | 1.12 | F34 | 1 | 3.0 | 3×300 | MC |
| 1998-05-20.15 | 2450953.65 | +0.4 | FAST | 3620-5520 | 0.75 | 3-4 | 32.5 | 4.0 | 1.12 | F34 | 2 | 3.0 | 600,300 | KD, NC |
| 1998-05-28.19 | 2450961.69 | +8.4 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 36.3 | 1.35 | F34 | 2 | 3.0 | 3×300 | PBe |
| 1998-05-29.18 | 2450962.68 | +9.4 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 37.6 | 1.30 | F34 | 2-3 | 3.0 | 3×300 | PBe |
| 1998-05-30.17 | 2450963.67 | +10.4 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 37.7 | 1.30 | F34 | 2 | 3.0 | 3×330 | PBe |
| 1998-05-31.18 | 2450964.68 | +11.4 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 36.6 | 1.33 | F34 | 2 | 3.0 | 3×300 | MC |
| 1998-06-01.18 | 2450965.68 | +12.4 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 35.0 | 1.40 | F34 | 2 | 3.0 | 3×300 | MC |
| 1998-06-02.20 | 2450966.70 | +13.4 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 33.1 | 1.54 | BD28 | 3 | 3.0 | 3×300 | MC |
| 1998-06-16.17 | 2450980.67 | +27.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 31.0 | 1.70 | BD28 | 2 | 3.0 | 3×300 | BC |
| 1998-06-17.14 | 2450981.64 | +28.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 33.3 | 1.44 | BD28 | 1-2 | 3.0 | 3×300 | BC |
| 1998-06-18.14 | 2450982.64 | +29.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 33.2 | 1.45 | BD28 | 1-2 | 3.0 | 3×300 | BC |
| 1998-06-19.14 | 2450983.64 | +30.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 33.6 | 1.42 | BD28 | 1-2 | 3.0 | 3×300 | BC |
| 1998-06-20.14 | 2450984.64 | +31.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 32.6 | 1.49 | BD28 | 1-2 | 3.0 | 3×300 | BC |
| 1998-06-21.16 | 2450985.66 | +32.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 31.0 | 1.69 | BD28 | 1-2 | 3.0 | 3×300 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1998-06-22.16 | 2450986.66 | +33.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 31.0 | 1.69 | BD28 | 2 | 3.0 | 3×300 | MC |
| 1998-06-23.17 | 2450987.67 | +34.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.5 | 1.87 | BD28 | 1-2 | 3.0 | 2×600 | MC |
| 1998-06-24.17 | 2450988.67 | +35.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.2 | 1.98 | BD28 | 1-2 | 3.0 | 2×660 | PBe |
| 1998-06-25.17 | 2450989.67 | +36.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.1 | 2.00 | BD28 | 1-2 | 3.0 | 2×600 | PBe |
| 1998-06-26.17 | 2450990.67 | +37.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.0 | 2.08 | BD28 | 1-2 | 3.0 | 2×600 | PBe, KR |
| 1998-06-27.20 | 2450991.70 | +38.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 29.6 | 2.94 | BD28 | 1-2 | 3.0 | 2×600 | KR |
| 1998-06-28.16 | 2450992.66 | +39.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.2 | 2.05 | BD28 | 1-2 | 3.0 | 900 | KR |
| 1998-06-29.16 | 2450993.66 | +40.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.2 | 2.04 | BD28 | 1-2 | 3.0 | 900 | KR |
| 1998-06-30.17 | 2450994.67 | +41.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 29.8 | 2.34 | BD28 | 1-2 | 3.0 | 900 | KR |
| 1998-07-01.16 | 2450995.66 | +42.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 29.8 | 2.29 | BD28 | 1-2 | 3.0 | 900 | KR |
| 1998-07-02.16 | 2450996.66 | +43.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 29.8 | 2.22 | BD28 | 1-2 | 3.0 | 600 | PBe |
| 1998-07-15.17 | 2451009.67 | +56.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 29.9 | 4.47 | BD28 | 1-2 | 3.0 | 720 | PBe |
| 1998-11-14.51 | 2451132.01 | +178.3 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 35.0 | 1.26 | F34 | 3 | 3.0 | 2×1200 | MC |
| 1998-11-25.54 | 2451143.04 | +189.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 51.4 | 1.09 | F34 | 1 | 3.0 | 2×1200 | KR |
| 1998-12-13.54 | 2451161.04 | +207.2 | FAST | 3720-7540 | 1.50 | 6-7 | 39.0 | 42.9 | 1.07 | F34 | 2-3 | 3.0 | 2×1200 | MC |
| 1998-12-22.48 | 2451169.98 | +216.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 56.0 | 1.08 | F34 | 2 | 3.0 | 2×1200 | SJ |
| 1999-01-17.46 | 2451195.96 | +242.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 84.0 | 1.07 | F34 | 1-2 | 3.0 | 2×1200 | MC |
| **SN 1998cn** | | | | | | | | | | | | | | |
| 1998-06-19.16 | 2450983.66 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 40.3 | 1.42 | BD28 | 1-2 | 3.0 | 900 | BC |
| **SN 1998co** | | | | | | | | | | | | | | |
| 1998-06-23.45 | 2450987.95 | −0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 77.3 | 1.43 | BD28 | 1-2 | 3.0 | 900 | MC |
| 1998-06-24.45 | 2450988.95 | +1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 80.0 | 1.42 | BD28 | 1-2 | 3.0 | 900 | PBe |
| 1998-06-27.46 | 2450991.96 | +3.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 88.6 | 1.42 | BD28 | 1-2 | 3.0 | 900 | KR |
| 1998-06-30.47 | 2450994.97 | +6.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 83.2 | 1.44 | BD28 | 1-2 | 3.0 | 900 | KR |
| 1998-07-16.41 | 2451010.91 | +22.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 88.4 | 1.44 | BD28 | 1-2 | 3.0 | 2×600 | PBe |
| 1998-07-18.47 | 2451012.97 | +24.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 64.5 | 1.63 | BD28 | ··· | 3.0 | 900 | MC |
| 1998-07-22.40 | 2451016.90 | +28.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 89.3 | 1.42 | BD28 | 2 | 3.0 | 1200 | PBe |
| 1998-07-30.45 | 2451024.95 | +36.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 59.7 | 1.73 | BD28 | 2 | 3.0 | 900 | MC |
| **SN 1998cs** | | | | | | | | | | | | | | |
| 1998-07-01.20 | 2450995.70 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 39.6 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | KR |
| 1998-07-19.23 | 2451013.73 | @17.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 29.9 | 1.06 | BD28 | 2-3 | 3.0 | 1200 | MC |
| 1998-07-21.20[s] | 2451015.70 | @19.4 | FAST | 3720-6843 | 1.50 | 6-7 | 90.0 | 50.4 | 1.03 | BD28 | 1-2 | 3.0 | 600,422 | PBe |
| 1998-07-23.26[s] | 2451017.76 | @21.4 | FAST | 3720-6843 | 1.50 | 6-7 | 90.0 | 12.7 | 1.14 | BD28 | 2 | 3.0 | 1200 | MC |
| **SN 1998de** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1998-07-25.46[s] | 2451019.96 | −7.2 | FAST | 3720-6990 | 1.50 | 6-7 | 90.0 | 17.5 | 1.03 | BD28 | 2 | 3.0 | 1200 | MC |
| 1998-07-26.47 | 2451020.97 | −6.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 20.4 | 1.02 | BD28 | 2 | 3.0 | 2×1200 | PBe |
| 1998-07-27.45 | 2451021.95 | −5.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 17.0 | 1.04 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 1998-07-29.50 | 2451024.00 | −3.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 76.6 | 1.00 | BD28 | 2 | 3.0 | 1200 | MC |
| 1998-07-30.46 | 2451024.96 | −2.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 23.1 | 1.01 | BD28 | 2 | 3.0 | 900 | MC |
| 1998-08-01.41 | 2451026.91 | −0.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 16.2 | 1.09 | BD28 | 2 | 3.0 | 900 | PBe |
| 1998-08-04.46 | 2451029.96 | +2.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 29.0 | 1.00 | BD28 | 2 | 3.0 | 1200 | PBe |
| **SN 1998dh** | | | | | | | | | | | | | | |
| 1998-07-26.44 | 2451020.94 | −9.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 87.0 | 1.12 | BD28 | 2 | 3.0 | 600 | PBe |
| 1998-07-27.40 | 2451021.90 | −8.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 64.1 | 1.15 | BD28 | 1-2 | 3.0 | 600 | PBe |
| 1998-07-28.40 | 2451022.90 | −7.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 61.5 | 1.15 | BD28 | 2 | 3.0 | 1200 | PBe |
| 1998-07-30.44 | 2451024.94 | −5.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 87.1 | 1.13 | BD28 | 2 | 3.0 | 900 | MC |
| 1998-08-01.40 | 2451026.90 | −3.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 72.0 | 1.13 | BD28 | 2 | 3.0 | 600 | PBe |
| 1998-08-04.36 | 2451029.86 | −0.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 54.1 | 1.20 | BD28 | 2 | 3.0 | 600 | PBe |
| 1998-09-10.37 | 2451066.87 | +36.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 63.1 | 1.19 | BD28 | ··· | 3.0 | 900 | MC |
| 1998-09-14.36 | 2451070.86 | +40.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 62.1 | 1.20 | BD28 | 2 | 3.0 | 1200 | PBe |
| 1998-09-17.40 | 2451073.90 | +43.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 43.6 | 1.45 | BD28 | 2 | 3.0 | 1200 | MC |
| 1998-09-19.32 | 2451075.82 | +45.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 76.3 | 1.15 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1998dk** | | | | | | | | | | | | | | |
| 1998-09-10.40 | 2451066.90 | +10.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 70.3 | 1.25 | BD28 | ··· | 3.0 | 1200 | MC |
| 1998-09-11.34 | 2451067.84 | +11.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 78.3 | 1.19 | BD28 | ··· | 3.0 | 600 | MC |
| 1998-09-13.39 | 2451069.89 | +13.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 73.0 | 1.23 | BD28 | 2 | 3.0 | 900 | PBe |
| 1998-09-16.40 | 2451072.90 | +16.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 64.7 | 1.28 | BD28 | 2 | 3.0 | 1200 | MC |
| 1998-09-18.39 | 2451074.89 | +18.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 68.5 | 1.26 | BD28 | 2 | 3.0 | 1200 | MC |
| 1998-09-21.37 | 2451077.87 | +21.0 | FAST | 3720-7561 | 1.50 | 6-7 | 90.0 | 72.4 | 1.23 | BD28 | 1-2 | 3.0 | 1042 | PBe |
| 1998-09-23.38 | 2451079.88 | +23.0 | FAST | 3720-7561 | 1.50 | 6-7 | 90.0 | 64.2 | 1.29 | BD28 | 2 | 3.0 | 1200 | MC |
| 1998-09-30.35 | 2451086.85 | +29.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 71.7 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | ··· |
| 1998-10-15.33 | 2451101.83 | +44.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 58.6 | 1.34 | H600 | 2 | 3.0 | 1200 | MC |
| 1998-10-24.26 | 2451110.76 | +53.5 | FAST | 3720-7461 | 1.50 | 6-7 | 90.0 | 77.9 | 1.20 | H600 | 2 | 3.0 | 258 | PBe |
| **SN 1998dm** | | | | | | | | | | | | | | |
| 1998-09-10.42 | 2451066.92 | +6.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 89.2 | 1.27 | BD28 | ··· | 3.0 | 1200 | MC |
| 1998-09-11.33 | 2451067.83 | +7.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 54.8 | 1.40 | BD28 | ··· | 3.0 | 1200 | MC |
| 1998-09-13.43 | 2451069.93 | +9.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 79.2 | 1.29 | BD28 | 2 | 3.0 | 900 | PBe |
| 1998-09-16.41 | 2451072.91 | +12.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 84.2 | 1.28 | BD28 | 2 | 3.0 | 900 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1998-09-18.40 | 2451074.90 | +14.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 88.2 | 1.27 | BD28 | 2 | 3.0 | 900 | MC |
| 1998-09-21.41 | 2451077.91 | +17.4 | FAST | 3720-7561 | 1.50 | 6-7 | 90.0 | 78.2 | 1.30 | BD28 | 2 | 3.0 | 900 | PBe |
| 1998-09-23.39 | 2451079.89 | +19.4 | FAST | 3720-7561 | 1.50 | 6-7 | 90.0 | 83.3 | 1.28 | BD28 | 2 | 3.0 | 900 | MC |
| 1998-09-30.36 | 2451086.86 | +26.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 88.6 | 1.27 | BD28 | 2 | 3.0 | 900 | ··· |
| 1998-10-15.34 | 2451101.84 | +41.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 77.1 | 1.30 | H600 | 2 | 3.0 | 900 | MC |
| 1998-10-23.36 | 2451109.86 | +49.2 | FAST | 3720-7459 | 1.50 | 6-7 | 90.0 | 61.3 | 1.45 | H600 | 2 | 3.0 | 1200 | PBe |
| **SN 1998dx** | | | | | | | | | | | | | | |
| 1998-09-14.18 | 2451070.68 | −1.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 27.8 | 1.18 | BD28 | 2 | 3.0 | 1200 | PBe |
| 1998-09-15.22 | 2451071.72 | −0.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 12.3 | 1.31 | BD28 | 2 | 3.0 | 1200 | PBe |
| 1998-09-17.13 | 2451073.63 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 51.4 | 1.08 | BD28 | 2 | 3.0 | 660 | MC |
| 1998-09-18.15 | 2451074.65 | +2.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 41.4 | 1.12 | BD28 | 2 | 3.0 | 1200 | MC |
| 1998-09-22.12 | 2451078.62 | +5.9 | FAST | 3720-7561 | 1.50 | 6-7 | 90.0 | 50.2 | 1.10 | BD28 | 3 | 3.0 | 1200 | MC |
| 1998-09-24.16 | 2451080.66 | +7.8 | FAST | 3720-7560 | 1.50 | 6-7 | 90.0 | 23.8 | 1.20 | BD28 | 1 | 3.0 | 1200 | MC |
| 1998-09-29.13 | 2451085.63 | +12.5 | FAST | 3720-7482 | 1.50 | 6-7 | 90.0 | 34.9 | 1.14 | BD28 | 1-2 | 3.0 | 1200 | PBe, IS |
| **SN 1998eb** | | | | | | | | | | | | | | |
| 1998-09-19.49 | 2451075.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 53.8 | 1.30 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1998ec** | | | | | | | | | | | | | | |
| 1998-09-29.52 | 2451086.02 | −3.9 | FAST | 3720-7482 | 1.50 | 6-7 | 90.0 | 36.5 | 1.09 | BD28 | 1-2 | 3.0 | 900 | PBe, IS |
| 1998-09-30.50 | 2451087.00 | −3.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 31.5 | 1.11 | BD28 | 2 | 3.0 | 900 | ··· |
| 1998-10-15.48 | 2451101.98 | +11.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 38.9 | 1.08 | H600 | 2 | 3.0 | 1200 | MC |
| 1998-10-23.48 | 2451109.98 | +19.6 | FAST | 3720-7461 | 1.50 | 6-7 | 90.0 | 49.6 | 1.07 | H600 | 2 | 3.0 | 1200 | PBe |
| 1998-10-29.50 | 2451116.00 | +25.5 | FAST | 3720-7422 | 1.50 | 6-7 | 90.0 | 85.8 | 1.05 | H600 | 1 | 3.0 | 900 | MC |
| 1998-11-11.52[s] | 2451129.02 | +38.2 | FAST | 3720-6909 | 1.50 | 6-7 | 90.0 | 48.9 | 1.10 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| **SN 1998ef** | | | | | | | | | | | | | | |
| 1998-10-23.37 | 2451109.87 | −4.5 | FAST | 3720-7461 | 1.50 | 6-7 | 90.0 | 8.0 | 1.17 | H600 | 2 | 3.0 | 900 | PBe |
| 1998-10-24.30 | 2451110.80 | −3.6 | FAST | 3720-7461 | 1.50 | 6-7 | 90.0 | 2.4 | 1.01 | H600 | 2 | 3.0 | 720 | PBe |
| 1998-10-29.31 | 2451115.81 | +1.3 | FAST | 3720-7422 | 1.50 | 6-7 | 90.0 | 2.6 | 1.05 | H600 | 1 | 3.0 | 600 | MC |
| 1998-11-15.25 | 2451132.75 | +18.0 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 0.4 | 1.02 | F34 | 2-3 | 3.0 | 900 | MC |
| **SN 1998eg** | | | | | | | | | | | | | | |
| 1998-10-24.15 | 2451110.65 | −0.8 | FAST | 3720-7461 | 1.50 | 6-7 | 90.0 | 68.7 | 1.09 | H600 | 2 | 3.0 | 1200 | PBe |
| 1998-10-29.19 | 2451115.69 | +4.1 | FAST | 3720-7422 | 1.50 | 6-7 | 90.0 | 72.4 | 1.11 | H600 | 1 | 3.0 | 900 | MC |
| 1998-10-30.16 | 2451116.66 | +5.1 | FAST | 3720-7441 | 1.50 | 6-7 | 90.0 | 88.9 | 1.09 | H600 | 1 | 3.0 | 1200 | MC |
| 1998-11-11.16[s] | 2451128.66 | +16.8 | FAST | 3720-6952 | 1.50 | 6-7 | 90.0 | 66.6 | 1.13 | F34 | 2 | 3.0 | 1200 | PBe |
| 1998-11-13.19[s] | 2451130.69 | +18.8 | FAST | 3720-6957 | 1.50 | 6-7 | 90.0 | 48.4 | 1.22 | F34 | 3 | 3.0 | 700 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1998-11-17.18 | 2451134.68 | +22.7 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 49.8 | 1.22 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1998es** | | | | | | | | | | | | | | |
| 1998-11-14.22 | 2451131.72 | −11.4 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 76.7 | 1.11 | F34 | 3 | 3.0 | 600 | MC |
| 1998-11-15.25 | 2451132.75 | −10.3 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 78.0 | 1.12 | F34 | 2-3 | 3.0 | 600 | MC |
| 1998-11-16.25 | 2451133.75 | −9.3 | FAST | 3300-6699 | 1.50 | 6-7 | 0.0 | 7.8 | 1.12 | F110 | 1 | 3.0 | 900 | MC |
| 1998-11-17.20 | 2451134.70 | −8.4 | FAST | 3440-7521 | 1.50 | 6-7 | 122.5 | 33.8 | 1.13 | F34 | 1-2 | 3.0 | 600,900 | PBe |
| 1998-11-18.28 | 2451135.78 | −7.3 | FAST | 3400-7521 | 1.50 | 6-7 | 59.5 | 30.3 | 1.18 | F34 | 1-2 | 3.0 | 600,900 | PBe |
| 1998-11-19.28 | 2451136.78 | −6.3 | FAST | 3420-7260 | 1.50 | 6-7 | 30.0 | 4.4 | 1.20 | F110 | 1-2 | 3.0 | 480 | PBe |
| 1998-11-20.26 | 2451137.76 | −5.4 | FAST | 3440-7259 | 1.50 | 6-7 | 37.0 | 17.5 | 1.14 | F110 | 1-2 | 3.0 | 900 | MC |
| 1998-11-21.23 | 2451138.73 | −4.4 | FAST | 3440-7259 | 1.50 | 6-7 | 38.0 | 33.7 | 1.12 | F110 | 3 | 3.0 | 900 | MC |
| 1998-11-22.26 | 2451139.76 | −3.4 | FAST | 3440-7259 | 1.50 | 6-7 | 37.0 | 14.5 | 1.15 | F110 | 1 | 3.0 | 900 | MC |
| 1998-11-23.30 | 2451140.80 | −2.4 | FAST | 3440-7259 | 1.50 | 6-7 | 37.0 | 7.0 | 1.33 | F110 | 1 | 3.0 | 900 | KR |
| 1998-11-25.22 | 2451142.72 | −0.5 | FAST | 3460-7319 | 1.50 | 6-7 | 37.0 | 34.5 | 1.11 | F110 | 1 | 3.0 | 900 | KR, JHuc |
| 1998-11-26.22 | 2451143.72 | +0.5 | FAST | 3470-7319 | 1.50 | 6-7 | −2.0 | 9.2 | 1.12 | F110 | 3 | 3.0 | 900 | KR, JHuc |
| 1998-11-27.21 | 2451144.71 | +1.5 | FAST | 3460-7339 | 1.50 | 6-7 | −3.0 | 4.0 | 1.11 | F110 | 1-2 | 3.0 | 900 | KR, JHuc |
| 1998-12-10.19 | 2451157.69 | +14.3 | FAST | 3480-7299 | 1.50 | 6-7 | 12.0 | 3.5 | 1.13 | F110 | 3 | 3.0 | 900 | PBe |
| 1998-12-12.18 | 2451159.68 | +16.3 | FAST | 3520-7321 | 1.50 | 6-7 | 5.0 | 5.3 | 1.12 | F110 | 3 | 3.0 | 900 | MC |
| 1998-12-13.18 | 2451160.68 | +17.3 | FAST | 3520-7340 | 1.50 | 6-7 | 8.0 | 5.7 | 1.13 | F110 | 3-5 | 3.0 | 900 | MC |
| 1998-12-14.18 | 2451161.68 | +18.3 | FAST | 3520-7340 | 1.50 | 6-7 | 9.0 | 6.4 | 1.13 | F110 | 3-5 | 3.0 | 900 | MC, AM |
| 1998-12-19.08 | 2451166.58 | +23.1 | FAST | 3500-7299 | 1.50 | 6-7 | −41.0 | 5.0 | 1.17 | F110 | 1-2 | 3.0 | 900 | AM, SJ |
| 1998-12-21.09 | 2451168.59 | +25.1 | FAST | 3480-7339 | 1.50 | 6-7 | −40.0 | 7.4 | 1.15 | F110 | ··· | 3.0 | 900 | SJ |
| 1998-12-25.14 | 2451172.64 | +29.1 | FAST | 3520-7339 | 1.50 | 6-7 | 90.0 | 82.2 | 1.12 | F110 | 2 | 3.0 | 900 | MC |
| 1999-01-09.22 | 2451187.72 | +44.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 36.9 | 1.72 | F34 | 3 | 3.0 | 1200 | PBe |
| 1999-01-16.11 | 2451194.61 | +50.9 | FAST | 3720-7540 | 1.50 | 6-7 | 11.0 | 13.3 | 1.16 | F34 | 2-3 | 3.0 | 1020 | MC |
| 1999-01-21.14 | 2451199.64 | +55.9 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 0.1 | 1.36 | F34 | 2 | 3.0 | 1200 | PBe |
| 1999-02-07.13 | 2451216.63 | +72.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 37.2 | 1.69 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-02-14.12 | 2451223.62 | +79.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 36.5 | 1.76 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-02-23.12 | 2451232.62 | +88.5 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 0.2 | 2.11 | H600 | ··· | 3.0 | 900 | MC |
| **SN 1998ex** | | | | | | | | | | | | | | |
| 1998-11-30.51 | 2451148.01 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 60.6 | 1.24 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1999X** | | | | | | | | | | | | | | |
| 1999-02-06.28 | 2451215.78 | +12.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 17.3 | 1.02 | F34 | 3 | 3.0 | 900 | PBe |
| 1999-02-07.41 | 2451216.91 | +13.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 0.6 | 1.17 | F34 | 2 | 3.0 | 1200 | PBe |
| 1999-02-09.32 | 2451218.82 | +15.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 38.5 | 1.01 | F34 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1999-02-10.34 | 2451219.84 | +16.0 | FAST | 3720-7540 | 1.50 | 6-7 | 50.0 | 65.6 | 1.03 | F34 | 2-3 | 3.0 | 1200 | MC |
| 1999-02-15.29 | 2451224.79 | +20.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 86.9 | 1.00 | F34 | 1-2 | 3.0 | 900 | KR |
| 1999-02-23.27 | 2451232.77 | +28.6 | FAST | 3720-7540 | 1.50 | 6-7 | 34.0 | 28.1 | 1.01 | H600 | 1-2 | 3.0 | 1200 | MC |
| **SN 1999aa** | | | | | | | | | | | | | | |
| 1999-02-13.35 | 2451222.85 | −9.9 | FAST | 3440-7220 | 1.50 | 6-7 | 57.0 | 2.3 | 1.13 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-02-14.33 | 2451223.83 | −9.0 | FAST | 3440-7220 | 1.50 | 6-7 | 54.0 | 1.6 | 1.10 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-02-15.28 | 2451224.78 | −8.0 | FAST | 3440-7220 | 1.50 | 6-7 | 90.0 | 87.0 | 1.02 | F34 | 1-2 | 3.0 | 1200 | KR |
| 1999-02-16.24 | 2451225.74 | −7.1 | FAST | 3440-7220 | 1.50 | 6-7 | −46.0 | 4.1 | 1.02 | F34 | 1-2 | 3.0 | 1200 | KR |
| 1999-02-17.26 | 2451226.76 | −6.1 | FAST | 3440-7220 | 1.50 | 6-7 | −32.0 | 7.8 | 1.02 | F34 | 1-2 | 3.0 | 1200 | KR |
| 1999-02-18.25 | 2451227.75 | −5.1 | FAST | 3440-7220 | 1.50 | 6-7 | −40.0 | 4.6 | 1.02 | F34 | 1-2 | 3.0 | 1200 | KR |
| 1999-02-19.28 | 2451228.78 | −4.1 | FAST | 3460-7220 | 1.50 | 6-7 | 15.0 | 7.0 | 1.03 | F34 | 1-2 | 3.0 | 1200 | KR |
| 1999-02-20.29 | 2451229.79 | −3.1 | FAST | 3400-7240 | 1.50 | 6-7 | 30.0 | 2.8 | 1.04 | F34 | 1-2 | 3.0 | 1200 | KR |
| 1999-02-21.29 | 2451230.79 | −2.1 | FAST | 3720-7540 | 1.50 | 6-7 | 42.0 | 2.2 | 1.05 | H600 | 1-2 | 3.0 | 900 | MC |
| 1999-02-23.25 | 2451232.75 | −0.2 | FAST | 3720-7540 | 1.50 | 6-7 | 11.0 | 8.3 | 1.02 | H600 | 1-2 | 3.0 | 1020 | MC |
| 1999-03-09.25 | 2451246.75 | +13.6 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 2.6 | 1.06 | F34 | 2 | 3.0 | 1200 | PBe |
| 1999-03-10.23 | 2451247.73 | +14.6 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 9.3 | 1.03 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-03-11.23 | 2451248.73 | +15.6 | FAST | 3720-7540 | 1.50 | 6-7 | 22.0 | 12.3 | 1.03 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-03-12.29 | 2451249.79 | +16.6 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 1.2 | 1.20 | F34 | 3-5 | 3.0 | 1200 | MC |
| 1999-03-22.27 | 2451259.77 | +26.5 | FAST | 3720-7540 | 1.50 | 6-7 | 64.0 | 0.3 | 1.22 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-03-23.19 | 2451260.69 | +27.4 | FAST | 3720-7540 | 1.50 | 6-7 | 21.0 | 2.8 | 1.03 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 1999-03-24.18 | 2451261.68 | +28.3 | FAST | 3720-7540 | 1.50 | 6-7 | 7.0 | 2.2 | 1.02 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-03-25.12 | 2451262.62 | +29.3 | FAST | 3720-7540 | 1.50 | 6-7 | 54.0 | 74.8 | 1.04 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-04-07.15 | 2451275.65 | +42.1 | FAST | 3720-7540 | 1.50 | 6-7 | 32.0 | 0.2 | 1.03 | F34 | 2-3 | 3.0 | 900 | MC |
| 1999-04-09.14 | 2451277.64 | +44.1 | FAST | 3720-7540 | 1.50 | 6-7 | 19.0 | 6.7 | 1.03 | H600 | 1-2 | 3.0 | 900 | MC |
| 1999-04-11.22 | 2451279.72 | +46.1 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 5.9 | 1.23 | F34 | 2 | 3.0 | 1200 | PBe |
| 1999-04-13.14 | 2451281.64 | +48.0 | FAST | 3720-7540 | 1.50 | 6-7 | 31.0 | 6.3 | 1.04 | F34 | 1-2 | 3.0 | 1200 | MC |
| 1999-04-15.16 | 2451283.66 | +50.0 | FAST | 3720-7540 | 1.50 | 6-7 | 49.0 | 4.6 | 1.08 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-04-17.16 | 2451285.66 | +52.0 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 0.3 | 1.10 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-04-19.21 | 2451287.71 | +54.0 | FAST | 3720-7540 | 1.50 | 6-7 | 64.0 | 1.4 | 1.30 | F34 | 1 | 3.0 | 900 | MC |
| 1999-04-21.15 | 2451289.65 | +55.9 | FAST | 3720-7540 | 1.50 | 6-7 | 54.0 | 3.5 | 1.10 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-05-07.16 | 2451305.66 | +71.7 | FAST | 3720-6840 | 1.50 | 6-7 | 65.0 | 0.5 | 1.31 | F66 | 1-2 | 3.0 | 900 | MC |
| 1999-05-16.17 | 2451314.67 | +80.6 | FAST | 3720-7540 | 1.50 | 6-7 | 66.0 | 0.1 | 1.58 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1999ac** | | | | | | | | | | | | | | |
| 1999-03-09.53 | 2451247.03 | −3.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 85.8 | 1.10 | F34 | 2 | 3.0 | 900 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1999-03-10.53 | 2451248.03 | −2.9 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 5.4 | 1.09 | F34 | 1-2 | 3.0 | 900 | PBe |
| 1999-03-12.53 | 2451250.03 | −0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 4.2 | 1.10 | F34 | 3-5 | 3.0 | 1020 | MC |
| 1999-03-22.51 | 2451260.01 | +9.0 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 0.9 | 1.11 | F34 | 1-2 | 3.0 | 900 | PBe |
| 1999-03-23.51 | 2451261.01 | +10.0 | FAST | 3720-7540 | 1.50 | 6-7 | 14.0 | 2.4 | 1.11 | H600 | 1-2 | 3.0 | 900 | PBe |
| 1999-03-24.51 | 2451262.01 | +10.9 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 0.3 | 1.11 | F34 | 1-2 | 3.0 | 900 | PBe |
| 1999-03-25.50 | 2451263.00 | +11.9 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 7.0 | 1.10 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-04-07.46 | 2451275.96 | +24.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.9 | 1.10 | F34 | 1-2 | 3.0 | 1200 | MC |
| 1999-04-09.45 | 2451277.95 | +26.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.6 | 1.10 | H600 | 1-2 | 3.0 | 900 | MC |
| 1999-04-11.48 | 2451279.98 | +28.7 | FAST | 3720-7540 | 1.50 | 6-7 | 24.0 | 0.1 | 1.13 | F34 | 2 | 3.0 | 900 | PBe |
| 1999-04-13.47 | 2451281.97 | +30.7 | FAST | 3720-7540 | 1.50 | 6-7 | 14.0 | 6.9 | 1.13 | F34 | 5 | 3.0 | 1200 | MC |
| 1999-04-15.45 | 2451283.95 | +32.7 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 2.0 | 1.12 | F34 | 1-3 | 3.0 | 900 | MC |
| 1999-04-17.50 | 2451286.00 | +34.7 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 2.9 | 1.26 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-04-19.44 | 2451287.94 | +36.6 | FAST | 3720-7540 | 1.50 | 6-7 | 14.0 | 3.2 | 1.12 | F34 | 1 | 3.0 | 900 | MC |
| 1999-04-21.46 | 2451289.96 | +38.6 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 0.2 | 1.16 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-04-23.46 | 2451291.96 | +40.6 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 1.0 | 1.19 | F34 | 3 | 3.0 | 1200 | PBe |
| 1999-05-07.38 | 2451305.88 | +54.4 | FAST | 3729-6813 | 1.50 | 6-7 | 0.0 | 6.8 | 1.10 | F66 | 1-2 | 3.0 | 900 | MC |
| 1999-05-15.38 | 2451313.88 | +62.3 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 2.8 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-06-08.38 | 2451337.88 | +86.1 | FAST | 3720-7540 | 1.50 | 6-7 | 48.0 | 1.0 | 1.39 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1999be** | | | | | | | | | | | | | | |
| 1999-04-08.14 | 2451276.64 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 13.4 | 1.04 | H600 | 3-5 | 3.0 | 1200 | MC |
| 1999-04-12.17 | 2451280.67 | @4.0 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 1.1 | 1.10 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-04-18.18 | 2451286.68 | @9.9 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 0.0 | 1.18 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1999bh** | | | | | | | | | | | | | | |
| 1999-04-09.27 | 2451277.77 | +5.1 | FAST | 3720-7540 | 1.50 | 6-7 | 25.0 | 49.5 | 1.18 | H600 | 1-2 | 3.0 | 1200 | MC |
| **SN 1999bt** | | | | | | | | | | | | | | |
| 1999-04-14.49 | 2451282.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 6.4 | 1.33 | F34 | 1-5 | 3.0 | 1200 | MC |
| 1999-04-16.43 | 2451284.93 | @1.8 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 1.3 | 1.33 | F34 | 2 | 3.0 | 1200 | PBe |
| **SN 1999bv** | | | | | | | | | | | | | | |
| 1999-04-21.49 | 2451289.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 17.1 | 1.16 | F34 | 1-2 | 3.0 | 3×1200 | MC |
| **SN 1999by** | | | | | | | | | | | | | | |
| 1999-05-06.22 | 2451304.72 | −5.0 | FAST | 3720-6837 | 1.50 | 6-7 | 100.0 | 2.9 | 1.36 | F34 | 1-2 | 3.0 | 3×300 | PBe |
| 1999-05-07.14 | 2451305.64 | −4.0 | FAST | 3720-7521 | 1.50 | 6-7 | 39.0 | 85.8 | 1.11 | F66 | 1-2 | 3.0 | 2×660 | MC |
| 1999-05-08.15 | 2451306.65 | −3.0 | FAST | 3400-9020 | 1.50 | 6-7 | 54.7 | 68.7 | 1.14 | F34 | 1-2 | 3.0 | 3×480 | MC |
| 1999-05-09.18 | 2451307.68 | −2.0 | FAST | 3580-5480 | 0.75 | 3-4 | 70.0 | 41.0 | 1.22 | F34 | ··· | 3.0 | 600 | KD |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1999-05-13.18 | 2451311.68 | +2.0 | FAST | 3580-5480 | 0.75 | 3-4 | −60.0 | 14.4 | 1.27 | F34 | ··· | 3.0 | 600 | KD |
| 1999-05-14.15 | 2451312.65 | +2.9 | FAST | 3400-9279 | 1.50 | 6-7 | −60.0 | 4.4 | 1.18 | F34 | 2-3 | 3.0 | 3×480 | PBe |
| 1999-05-15.16 | 2451313.66 | +4.0 | FAST | 3720-7540 | 1.50 | 6-7 | −70.0 | 2.0 | 1.20 | F34 | 1-2 | 3.0 | 2×360 | PBe |
| 1999-05-16.17 | 2451314.67 | +5.0 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 4.7 | 1.27 | F34 | 1-2 | 3.0 | 2×420 | PBe |
| 1999-05-17.16 | 2451315.66 | +6.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 16.7 | 1.24 | BD33 | 1-2 | 3.0 | 3×300 | PG |
| 1999-05-18.14 | 2451316.64 | +6.9 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 14.8 | 1.18 | F34 | 1-2 | 3.0 | 3×420 | PG |
| 1999-05-19.14 | 2451317.64 | +7.9 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 16.8 | 1.20 | F34 | 1-2 | 3.0 | 3×480 | PG |
| 1999-05-21.14 | 2451319.64 | +9.9 | FAST | 5520-7500 | 0.75 | 2-3 | −64.0 | 7.4 | 1.22 | F56 | 1-2 | 2.0 | 2×600 | MC |
| 1999-05-22.14 | 2451320.64 | +10.9 | FAST | 3860-5830 | 0.75 | 2-3 | −65.0 | 7.1 | 1.22 | F56 | ··· | 2.0 | 2×600 | MC |
| 1999-06-05.17 | 2451334.67 | +24.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 1.0 | 1.55 | F34 | 1-3 | 3.0 | 2×600 | MC |
| 1999-06-09.17 | 2451338.67 | +28.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 3.3 | 1.62 | F34 | 1-2 | 3.0 | 2×600 | PBe |
| 1999-06-11.16 | 2451340.66 | +30.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 2.9 | 1.63 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-06-13.16 | 2451342.66 | +32.9 | FAST | 3720-7540 | 1.50 | 6-7 | 84.0 | 1.2 | 1.70 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-06-22.17 | 2451351.67 | +41.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 12.5 | 2.03 | BD33 | 1 | 3.0 | 900 | MC |
| **SN 1999cb** | | | | | | | | | | | | | | |
| 1999-05-14.38 | 2451312.88 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 31.7 | 1.03 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| **SN 1999cc** | | | | | | | | | | | | | | |
| 1999-05-14.36 | 2451312.86 | −3.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 63.9 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-05-16.34 | 2451314.84 | −1.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 81.4 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-05-17.40 | 2451315.90 | −0.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 9.1 | 1.09 | BD33 | 1-2 | 3.0 | 900 | PG |
| 1999-05-19.36 | 2451317.86 | +1.7 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 31.6 | 1.03 | F34 | ··· | 3.0 | 2×900 | ··· |
| 1999-06-05.35 | 2451334.85 | +18.2 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 9.0 | 1.08 | F34 | 1-3 | 3.0 | 900 | MC |
| 1999-06-10.37 | 2451339.87 | +23.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 0.7 | 1.19 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-06-12.32 | 2451341.82 | +24.9 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 5.5 | 1.06 | F34 | 1-2 | 3.0 | 900 | MC |
| **SN 1999ce** | | | | | | | | | | | | | | |
| 1999-05-18.24 | 2451316.74 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 32.4 | 1.25 | F34 | 1-2 | 3.0 | 1200 | PG |
| **SN 1999cf** | | | | | | | | | | | | | | |
| 1999-06-05.21 | 2451334.71 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 3.2 | 1.02 | F34 | 1-3 | 3.0 | 900 | MC |
| 1999-06-07.17 | 2451336.67 | @1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 31.8 | 1.00 | F34 | 1-2 | 3.0 | 900 | MC |
| 1999-06-10.29 | 2451339.79 | @5.0 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 0.1 | 1.31 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 1999cl** | | | | | | | | | | | | | | |
| 1999-06-05.19 | 2451334.69 | −8.3 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 7.7 | 1.12 | F34 | 1-3 | 3.0 | 2×600 | MC |
| 1999-06-06.18 | 2451335.68 | −7.3 | FAST | 3464-7160 | 1.50 | 6-7 | 35.0 | 0.0 | 1.10 | BD33 | 1-2 | 3.0 | 2×900 | MC |
| 1999-06-08.24 | 2451337.74 | −5.2 | FAST | 3529-7160 | 1.50 | 6-7 | 59.0 | 1.5 | 1.35 | BD33 | 1-2 | 3.0 | 2×600 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1999-06-09.24 | 2451338.74 | −4.2 | FAST | 3529-7160 | 1.50 | 6-7 | 58.0 | 0.1 | 1.38 | BD33 | 1-2 | 3.0 | 2×720 | PBe |
| 1999-06-10.22 | 2451339.72 | −3.3 | FAST | 3380-7160 | 1.50 | 6-7 | 56.0 | 0.2 | 1.30 | BD33 | 1-2 | 3.0 | 2×720 | PBe |
| 1999-06-11.18 | 2451340.68 | −2.3 | FAST | 3512-7138 | 1.50 | 6-7 | 45.0 | 0.3 | 1.13 | BD33 | 1-2 | 3.0 | 2×600 | MC |
| 1999-06-12.17 | 2451341.67 | −1.3 | FAST | 3527-7154 | 1.50 | 6-7 | 35.0 | 6.3 | 1.11 | BD33 | 1-2 | 3.0 | 600 | MC |
| 1999-06-14.18 | 2451343.68 | +0.7 | FAST | 3403-7220 | 1.50 | 6-7 | 48.0 | 0.7 | 1.17 | BD33 | 2-3 | 3.0 | 2×900 | PBe |
| 1999-06-18.17 | 2451347.67 | +4.6 | FAST | 4462-6439 | 0.75 | 2-3 | 45.0 | 4.0 | 1.18 | HZ44 | ··· | 2.0 | 900 | MC |
| 1999-06-21.17 | 2451350.67 | +7.6 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 4.8 | 1.18 | BD33 | 1-2 | 3.0 | 900 | MC |
| 1999-07-21.17 | 2451380.67 | +37.4 | FAST | 3720-7540 | 1.50 | 6-7 | 61.0 | 0.2 | 1.92 | BD28 | 2-3 | 3.0 | 900 | MC |
| **SN 1999cm** | | | | | | | | | | | | | | |
| 1999-06-08.26 | 2451337.76 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 11.5 | 1.16 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 1999-06-11.28 | 2451340.78 | @2.9 | FAST | 3720-7540 | 1.50 | 6-7 | −24.0 | 3.2 | 1.19 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 1999cp** | | | | | | | | | | | | | | |
| 1999-06-19.19 | 2451348.69 | −14.9 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 8.5 | 1.28 | BD33 | ··· | 3.0 | 2×900 | MC |
| 1999-06-20.28 | 2451349.78 | −13.8 | FAST | 3537-7220 | 1.50 | 6-7 | 35.0 | 7.8 | 1.81 | BD33 | 2-3 | 3.0 | 1200 | MC |
| 1999-06-22.20 | 2451351.70 | −11.9 | FAST | 3380-7220 | 1.50 | 6-7 | 15.0 | 1.3 | 1.32 | BD33 | 1 | 3.0 | 1200 | MC |
| **SN 1999cw** | | | | | | | | | | | | | | |
| 1999-07-17.48 | 2451376.98 | +21.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 70.8 | 1.29 | BD28 | 2 | 3.0 | 1200 | PBe |
| 1999-07-20.46 | 2451379.96 | +24.5 | FAST | 3720-7540 | 1.50 | 6-7 | 26.0 | 48.5 | 1.31 | BD28 | 2 | 3.0 | 900 | MC |
| **SN 1999da** | | | | | | | | | | | | | | |
| 1999-07-09.45 | 2451368.95 | −2.6 | FAST | 3720-7540 | 1.50 | 6-7 | 89.0 | 0.3 | 1.78 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 1999dq** | | | | | | | | | | | | | | |
| 1999-09-04.48 | 2451425.98 | −10.4 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 6.7 | 1.02 | G191 | 1-2 | 3.0 | 2×1200 | PBe |
| 1999-09-05.45 | 2451426.95 | −9.4 | FAST | 3380-9040 | 1.50 | 6-7 | −31.7 | 1.8 | 1.02 | G191 | 1-2 | 3.0 | 3×1200 | PBe |
| 1999-09-06.43 | 2451427.93 | −8.5 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 1.5 | 1.04 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-09-07.48 | 2451428.98 | −7.4 | FAST | 3720-7540 | 1.50 | 6-7 | 12.0 | 2.1 | 1.03 | F110 | 1-2 | 3.0 | 2×1200 | KR |
| 1999-09-08.48 | 2451429.98 | −6.4 | FAST | 3720-7540 | 1.50 | 6-7 | 19.0 | 3.8 | 1.03 | F110 | 1-2 | 3.0 | 1200 | KR |
| 1999-09-09.44 | 2451430.94 | −5.5 | FAST | 3720-7540 | 1.50 | 6-7 | 18.0 | 40.6 | 1.02 | F110 | 1-2 | 3.0 | 610 | KR |
| 1999-09-10.44 | 2451431.94 | −4.5 | FAST | 3720-7540 | 1.50 | 6-7 | 48.0 | 78.8 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 1999-09-11.46 | 2451432.96 | −3.5 | FAST | 3720-7540 | 1.50 | 6-7 | 14.0 | 20.2 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 1999-09-12.51 | 2451434.01 | −2.5 | FAST | 3720-7540 | 1.50 | 6-7 | 46.0 | 8.8 | 1.10 | BD28 | 2-4 | 3.0 | 1200 | MC |
| 1999-09-15.45 | 2451436.95 | +0.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.3 | 1.02 | G191 | 1-2 | 3.0 | 1200 | PBe |
| 1999-09-16.45 | 2451437.95 | +1.4 | FAST | 3720-7540 | 1.50 | 6-7 | −1.0 | 14.0 | 1.03 | G191 | 2-4 | 3.0 | 1200 | MC |
| 1999-09-17.46 | 2451438.96 | +2.4 | FAST | 3720-7540 | 1.50 | 6-7 | −1.0 | 21.3 | 1.03 | G191 | 1-2 | 3.0 | 1200 | MC |
| 1999-09-18.45 | 2451439.95 | +3.4 | FAST | 3720-7540 | 1.50 | 6-7 | −1.0 | 17.8 | 1.03 | F25 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1999-09-20.46 | 2451441.96 | +5.4 | FAST | 3720-7540 | 1.50 | 6-7 | 31.0 | 0.7 | 1.04 | G191 | 1-2 | 3.0 | 1200 | PBe |
| 1999-10-02.47 | 2451453.97 | +17.2 | FAST | 3720-7540 | 1.50 | 6-7 | 58.0 | 0.5 | 1.13 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-10-03.45 | 2451454.95 | +18.2 | FAST | 3720-7540 | 1.50 | 6-7 | 51.0 | 0.5 | 1.08 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-10-11.45 | 2451462.95 | +26.1 | FAST | 3720-7540 | 1.50 | 6-7 | 61.0 | 2.4 | 1.13 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-10-14.32 | 2451465.82 | +28.9 | FAST | 3720-7540 | 1.50 | 6-7 | 54.0 | 73.7 | 1.04 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 1999-10-18.49 | 2451469.99 | +33.0 | FAST | 3720-7540 | 1.50 | 6-7 | 67.0 | 1.5 | 1.45 | H600 | 2-3 | 3.0 | 1200 | PBe |
| 1999-10-31.33 | 2451482.83 | +45.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 7.9 | 1.02 | BD28 | 2-5 | 3.0 | 1200 | MC |
| 1999-11-02.35 | 2451484.85 | +47.7 | FAST | 3720-7540 | 1.50 | 6-7 | 34.0 | 3.3 | 1.05 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-11-12.31 | 2451494.81 | +57.5 | FAST | 3720-7540 | 1.50 | 6-7 | 17.0 | 5.6 | 1.03 | BD28 | 1-3 | 3.0 | 1200 | MC |
| 1999-12-13.24 | 2451525.74 | +88.0 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 73.5 | 1.06 | F34 | 1 | 3.0 | 2×1200 | PG |
| **SN 1999ef** | | | | | | | | | | | | | | |
| 1999-10-13.29 | 2451464.79 | +6.7 | FAST | 3720-7540 | 1.50 | 6-7 | −14.0 | 3.7 | 1.06 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 1999-10-14.31 | 2451465.81 | +7.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.8 | 1.06 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 1999-10-16.30 | 2451467.80 | +9.6 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.1 | 1.06 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 1999ej** | | | | | | | | | | | | | | |
| 1999-10-30.28 | 2451481.78 | −1.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 20.8 | 1.00 | BD28 | 3-5 | 3.0 | 2×900 | MC |
| 1999-11-02.20 | 2451484.70 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 92.0 | 0.4 | 1.04 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-11-04.27 | 2451486.77 | +3.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 53.8 | 1.01 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-11-09.26 | 2451491.76 | +8.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 55.3 | 1.01 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 1999-11-12.27 | 2451494.77 | +11.0 | FAST | 3720-7540 | 1.50 | 6-7 | 104.0 | 2.2 | 1.02 | BD28 | 2-5 | 3.0 | 1200 | MC |
| **SN 1999ek** | | | | | | | | | | | | | | |
| 1999-10-30.47 | 2451481.97 | −0.6 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 15.5 | 1.05 | BD28 | 3-5 | 3.0 | 1200 | MC |
| 1999-11-03.40 | 2451485.90 | +3.2 | FAST | 3720-7540 | 1.50 | 6-7 | −38.0 | 2.1 | 1.05 | F110 | 1-2 | 3.0 | 1200 | PBe |
| 1999-11-09.42 | 2451491.92 | +9.2 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 2.4 | 1.04 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 1999-11-12.46 | 2451494.96 | +12.2 | FAST | 3720-7540 | 1.50 | 6-7 | 40.0 | 1.3 | 1.09 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 1999gd** | | | | | | | | | | | | | | |
| 1999-12-08.52 | 2451521.02 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 64.7 | 1.07 | F110 | 3 | 3.0 | 1200 | AM |
| 1999-12-15.46 | 2451527.96 | +7.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 80.0 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-01-02.39 | 2451545.89 | +25.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 82.0 | 1.01 | F34 | 2 | 3.0 | 1200 | PBe |
| 2000-01-06.44 | 2451549.94 | +29.5 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 4.6 | 1.05 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| 2000-01-11.40 | 2451554.90 | +34.3 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 10.1 | 1.02 | F25 | 1-2 | 3.0 | 1200 | MC |
| **SN 1999gh** | | | | | | | | | | | | | | |
| 1999-12-06.53 | 2451519.03 | +5.5 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.9 | 1.68 | F34 | ··· | 3.0 | 600 | AB |
| 1999-12-07.53 | 2451520.03 | +6.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 5.1 | 1.69 | F34 | 1.5 | 3.0 | 1200 | AM |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1999-12-08.52 | 2451521.02 | +7.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 6.3 | 1.68 | F110 | 3 | 3.0 | 600 | AM |
| 1999-12-09.50 | 2451522.00 | +8.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.4 | 1.66 | F34 | 3 | 3.0 | 600 | AM |
| 1999-12-10.50 | 2451523.00 | +9.4 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 81.5 | 1.66 | F34 | 1 | 3.0 | 600 | AM |
| 1999-12-12.50 | 2451525.00 | +11.4 | FAST | 3720-7540 | 1.50 | 6-7 | 1.0 | 0.6 | 1.66 | F34 | 1 | 3.0 | 600 | SJ |
| 1999-12-13.51 | 2451526.01 | +12.4 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 5.8 | 1.67 | F34 | 1 | 3.0 | 600 | PG |
| 1999-12-29.45 | 2451541.95 | +28.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 3.0 | 1.66 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-01-04.45 | 2451547.95 | +34.2 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 8.5 | 1.67 | F34 | 3 | 3.0 | 1200 | PBe |
| 2000-01-06.45 | 2451549.95 | +36.1 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 52.2 | 1.69 | HZ44 | 1-2 | 3.0 | 900 | MC |
| 2000-01-10.42 | 2451553.92 | +40.1 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 1.8 | 1.66 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-01-12.38 | 2451555.88 | +42.0 | FAST | 3720-7540 | 1.50 | 6-7 | −14.0 | 2.8 | 1.70 | F25 | 1 | 3.0 | 1200 | MC |
| 2000-02-05.33 | 2451579.83 | +65.8 | FAST | 3720-7540 | 1.50 | 6-7 | −3.0 | 2.2 | 1.67 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-02-10.33 | 2451584.83 | +70.8 | FAST | 3720-7521 | 1.50 | 6-7 | 0.0 | 1.1 | 1.66 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2000-02-12.30 | 2451586.80 | +72.7 | FAST | 3720-7521 | 1.50 | 6-7 | −13.0 | 2.8 | 1.69 | F34 | 1 | 3.0 | 1200 | MC |
| **SN 1999gj** | | | | | | | | | | | | | | |
| 1999-12-09.53 | 2451522.03 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 39.9 | 1.01 | F34 | 3 | 3.0 | 1200 | AM |
| **SN 1999gm** | | | | | | | | | | | | | | |
| 1999-12-29.39 | 2451541.89 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 3.5 | 1.31 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-01-03.39 | 2451546.89 | @4.8 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 4.3 | 1.31 | H600 | 2 | 3.0 | 1200 | PBe |
| 2000-01-05.43 | 2451548.93 | @6.8 | FAST | 3720-7540 | 1.50 | 6-7 | 18.0 | 6.0 | 1.39 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| 2000-01-09.38 | 2451552.88 | @10.5 | FAST | 3720-7540 | 1.50 | 6-7 | 3.0 | 0.1 | 1.31 | F34 | 2 | 3.0 | 1200 | PBe |
| **SN 1999gp** | | | | | | | | | | | | | | |
| 2000-01-02.21 | 2451545.71 | −4.8 | FAST | 3720-7540 | 1.50 | 6-7 | 95.0 | 4.8 | 1.10 | F34 | 2 | 3.0 | 1200 | PBe |
| 2000-01-05.10 | 2451548.60 | −2.0 | FAST | 3720-7540 | 1.50 | 6-7 | 49.0 | 5.6 | 1.02 | HZ44 | 1-2 | 3.0 | 900 | MC |
| 2000-01-07.13 | 2451550.63 | +0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 17.7 | 1.01 | F25 | 5 | 3.0 | 2×900 | MC |
| 2000-01-10.11 | 2451553.61 | +2.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 87.4 | 1.01 | F34 | 2 | 3.0 | 1200 | PBe |
| 2000-01-12.09 | 2451555.59 | +4.9 | FAST | 3720-7540 | 1.50 | 6-7 | 39.0 | 9.5 | 1.01 | F25 | 1 | 3.0 | 900 | MC |
| 2000-01-14.16 | 2451557.66 | +6.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 17.0 | 1.06 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 2000-01-29.10 | 2451572.60 | +21.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.2 | 1.03 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 2000-02-12.11 | 2451586.61 | +35.1 | FAST | 3720-7521 | 1.50 | 6-7 | 98.0 | 3.1 | 1.14 | F34 | 1 | 3.0 | 1200 | MC |
| 2000-02-27.12 | 2451601.62 | +49.7 | FAST | 3720-7540 | 1.50 | 6-7 | 83.0 | 1.6 | 1.33 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 2000-03-03.12 | 2451606.62 | +54.6 | FAST | 3720-7540 | 1.50 | 6-7 | 82.0 | 0.3 | 1.42 | H600 | 1 | 3.0 | 1200 | MC |
| **SN 2000A** | | | | | | | | | | | | | | |
| 2000-01-03.08 | 2451546.58 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 50.0 | 4.0 | 1.23 | H600 | 2 | 3.0 | 1200 | PBe |
| **SN 2000B** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000-01-28.13 | 2451571.63 | +8.6 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 2.4 | 1.27 | H600 | 1-2 | 3.0 | 900 | PBe |
| 2000-02-02.24 | 2451576.74 | +13.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 89.0 | 1.06 | H600 | 3 | 3.0 | 1200 | EF |
| 2000-02-10.31 | 2451584.81 | +21.5 | FAST | 3720-7521 | 1.50 | 6-7 | −59.0 | 5.0 | 1.16 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2000-02-26.28 | 2451600.78 | +37.2 | FAST | 3720-7540 | 1.50 | 6-7 | −57.0 | 13.3 | 1.20 | BD33 | 2-3 | 3.0 | 2×900 | MC |
| 2000-02-27.27 | 2451601.77 | +38.2 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 10.5 | 1.19 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 2000-03-04.16 | 2451607.66 | +44.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 85.3 | 1.06 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-03-09.13 | 2451612.63 | +48.8 | FAST | 3720-7540 | 1.50 | 6-7 | 13.0 | 0.2 | 1.06 | H600 | 1-2 | 3.0 | 1200 | SJ |
| **SN 2000E** | | | | | | | | | | | | | | |
| 2000-05-31.40 | 2451695.90 | +117.6 | FAST | 3720-7521 | 1.50 | 6-7 | 0.0 | 36.6 | 1.26 | F56 | 1 | 3.0 | 2×1200 | PG |
| 2000-06-02.45 | 2451697.95 | +119.7 | FAST | 3720-7540 | 1.50 | 6-7 | 13.0 | 3.0 | 1.22 | BD33 | 1-2 | 3.0 | 1200 | MC |
| **SN 2000K** | | | | | | | | | | | | | | |
| 2000-02-29.32 | 2451603.82 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 62.5 | 1.11 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2000O** | | | | | | | | | | | | | | |
| 2000-03-08.45 | 2451611.95 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 54.5 | 1.21 | F34 | 1-2 | 3.0 | 1200 | SJ |
| **SN 2000bh** | | | | | | | | | | | | | | |
| 2000-04-27.24 | 2451661.74 | +24.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.5 | 1.69 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2000bk** | | | | | | | | | | | | | | |
| 2000-04-25.20 | 2451659.70 | +11.9 | FAST | 3720-7540 | 1.50 | 6-7 | −23.0 | 2.6 | 1.34 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2000-05-02.23 | 2451666.73 | +18.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.1 | 1.29 | F34 | 1-2 | 3.0 | 1200 | ZB |
| 2000-05-10.19 | 2451674.69 | +26.5 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 0.9 | 1.29 | HZ44 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2000ce** | | | | | | | | | | | | | | |
| 2000-05-10.15 | 2451674.65 | +6.7 | FAST | 3720-7540 | 1.50 | 6-7 | −63.0 | 2.9 | 1.43 | HZ44 | 1-2 | 3.0 | 1200 | PBe |
| 2000-05-12.15 | 2451676.65 | +8.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 1.1 | 1.46 | F34 | 2 | 3.0 | 900 | MC |
| 2000-05-23.14 | 2451687.64 | +19.5 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 2.5 | 1.56 | F34 | 2 | 3.0 | 1200 | PBe |
| 2000-05-25.15 | 2451689.65 | +21.5 | FAST | 3720-7540 | 1.50 | 6-7 | 102.0 | 2.5 | 1.60 | F34 | 1-2 | 3.0 | 900 | MC |
| **SN 2000cf** | | | | | | | | | | | | | | |
| 2000-05-11.34 | 2451675.84 | +2.9 | FAST | 3720-7540 | 1.50 | 6-7 | 1.0 | 4.1 | 1.21 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2000-05-12.36 | 2451676.86 | +3.9 | FAST | 3720-7540 | 1.50 | 6-7 | −8.0 | 8.4 | 1.22 | F34 | 2 | 3.0 | 2×1200 | MC |
| 2000-05-23.31 | 2451687.81 | +14.5 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 2.9 | 1.21 | F34 | 2 | 3.0 | 1200 | PBe |
| 2000-05-25.35 | 2451689.85 | +16.4 | FAST | 3720-7540 | 1.50 | 6-7 | −27.0 | 4.2 | 1.25 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2000-06-02.33 | 2451697.83 | +24.1 | FAST | 3720-7540 | 1.50 | 6-7 | −21.0 | 7.2 | 1.24 | BD33 | 1-2 | 3.0 | 2×900 | MC |
| 2000-06-03.33 | 2451698.83 | +25.1 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 4.1 | 1.25 | F66 | 1-2 | 3.0 | 1200 | MC |
| **SN 2000cm** | | | | | | | | | | | | | | |
| 2000-06-04.16 | 2451699.66 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 3.5 | 1.15 | BD28 | 1-2 | 3.0 | 900 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000-06-05.16 | 2451700.66 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 3.7 | 1.15 | F34 | 2-3 | 3.0 | 900 | PBe |
| **SN 2000cn** | | | | | | | | | | | | | | |
| 2000-06-03.37 | 2451698.87 | −9.3 | FAST | 3720-7540 | 1.50 | 6-7 | −28.0 | 44.9 | 1.00 | F66 | 1-2 | 3.0 | 2×1200 | MC |
| 2000-06-04.38 | 2451699.88 | −8.3 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 4.9 | 1.01 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2000-06-05.37 | 2451700.87 | −7.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 47.4 | 1.00 | F34 | 2-3 | 3.0 | 1200 | PBe |
| 2000-06-21.37 | 2451716.87 | +8.3 | FAST | 3720-7540 | 1.50 | 6-7 | 75.0 | 2.2 | 1.05 | BD28 | 1-2 | 3.0 | 900 | PBe |
| 2000-06-23.34 | 2451718.84 | +10.2 | FAST | 3720-7540 | 1.50 | 6-7 | 82.0 | 60.4 | 1.03 | BD28 | 1-2 | 3.0 | 2×1200 | PBe |
| 2000-06-25.36 | 2451720.86 | +12.2 | FAST | 3720-7540 | 1.50 | 6-7 | 72.0 | 1.1 | 1.06 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2000-07-04.32 | 2451729.82 | +20.9 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 1.8 | 1.03 | HZ44 | 1 | 3.0 | 900 | MC |
| 2000-07-09.24 | 2451734.74 | +25.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 35.2 | 1.01 | HZ44 | 1-2 | 3.0 | 2×1200 | PBe |
| 2000-07-10.27 | 2451735.77 | +26.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 50.2 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2000-08-03.24 | 2451759.74 | +50.2 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 5.8 | 1.04 | BD28 | 1-2 | 3.0 | 2×1200 | MC |
| **SN 2000cp** | | | | | | | | | | | | | | |
| 2000-06-22.28 | 2451717.78 | −2.5 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 1.6 | 1.08 | HZ44 | 1-2 | 3.0 | 1200 | PBe |
| 2000-06-23.29 | 2451718.79 | −1.5 | FAST | 3720-7540 | 1.50 | 6-7 | 50.0 | 2.9 | 1.11 | BD28 | 1-2 | 3.0 | 750 | PBe |
| 2000-06-24.34 | 2451719.84 | −0.5 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 1.2 | 1.28 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2000cu** | | | | | | | | | | | | | | |
| 2000-07-26.26 | 2451751.76 | +7.3 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 3.8 | 1.88 | BD28 | 1-2 | 3.0 | 1020 | MC |
| **SN 2000cv** | | | | | | | | | | | | | | |
| 2000-07-26.17 | 2451751.67 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 92.0 | 1.4 | 1.67 | BD28 | 1-2 | 3.0 | 900 | MC |
| **SN 2000cw** | | | | | | | | | | | | | | |
| 2000-07-26.46 | 2451751.96 | +3.5 | FAST | 3720-7540 | 1.50 | 6-7 | −12.0 | 40.9 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2000cx** | | | | | | | | | | | | | | |
| 2000-07-26.48 | 2451751.98 | −1.3 | FAST | 3720-7540 | 1.50 | 6-7 | −36.0 | 4.3 | 1.12 | BD28 | 1-2 | 3.0 | 3×300 | MC |
| 2000-07-27.43 | 2451752.93 | −0.4 | FAST | 3720-7540 | 1.50 | 6-7 | −51.0 | 1.4 | 1.27 | BD28 | 2 | 3.0 | 3×300 | MC |
| 2000-08-03.45 | 2451759.95 | +6.6 | FAST | 3720-7540 | 1.50 | 6-7 | −38.0 | 2.3 | 1.14 | BD28 | 1-2 | 3.0 | 3×300 | MC |
| 2000-09-02.36 | 2451789.86 | +36.3 | FAST | 3720-7540 | 1.50 | 6-7 | 37.0 | 78.3 | 1.17 | BD28 | 2 | 3.0 | 2×900 | MC |
| 2000-09-03.38 | 2451790.88 | +37.3 | FAST | 3720-7540 | 1.50 | 6-7 | −32.0 | 3.1 | 1.11 | BD33 | 1-2 | 3.0 | 900 | MC |
| 2000-09-05.40 | 2451792.90 | +39.3 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 2.8 | 1.08 | F110 | 2 | 3.0 | 1200 | PBe |
| 2000-09-19.38 | 2451806.88 | +53.1 | FAST | 3720-7540 | 1.50 | 6-7 | −4.0 | 5.2 | 1.08 | F25 | 1-2 | 3.0 | 900 | MC |
| 2000-09-21.42 | 2451808.92 | +55.2 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 1.8 | 1.13 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2000-09-27.36 | 2451814.86 | +61.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 88.0 | 1.08 | F110 | 2 | 3.0 | 900 | ZB |
| 2000-10-03.35 | 2451820.85 | +67.0 | FAST | 3640-7520 | 1.50 | 6-7 | 15.0 | 4.2 | 1.08 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2000-10-29.29 | 2451846.79 | +92.7 | FAST | 3640-7540 | 1.50 | 6-7 | 15.0 | 0.8 | 1.09 | F34 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000-11-20.18 | 2451868.68 | +114.5 | FAST | 3660-7540 | 1.50 | 6-7 | −25.0 | 5.6 | 1.09 | BD28 | 2-3 | 3.0 | 1200 | MC |
| 2000-11-24.21 | 2451872.71 | +118.5 | FAST | 3810-7490 | 1.50 | 6-7 | 15.0 | 0.2 | 1.09 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 2000-11-30.23 | 2451878.73 | +124.4 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 4.1 | 1.13 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2000-12-17.22 | 2451895.72 | +141.3 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 3.3 | 1.25 | F25 | 1-2 | 3.0 | 1200 | MC |
| 2000-12-30.10 | 2451908.60 | +154.1 | FAST | 3720-7540 | 1.50 | 6-7 | −12.0 | 16.1 | 1.08 | F34 | 1-2 | 3.0 | 2×1200 | MC |
| 2001-01-26.13 | 2451935.63 | +180.9 | MMTblue | 3660-7180 | 1.00 | 3-4 | 90.0 | 36.5 | 1.41 | F34 | ··· | ··· | 2×1200 | PBe |
| **SN 2000dg** | | | | | | | | | | | | | | |
| 2000-09-02.38 | 2451789.88 | −0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 8.2 | 1.09 | BD28 | 2 | 3.0 | 1200 | MC |
| 2000-09-03.37 | 2451790.87 | +0.2 | FAST | 3720-7540 | 1.50 | 6-7 | −6.0 | 6.0 | 1.08 | BD33 | 1-2 | 3.0 | 1200 | MC |
| 2000-09-06.43 | 2451793.93 | +3.1 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 1.7 | 1.20 | HZ14 | 1-2 | 3.0 | 1200 | PBe |
| 2000-09-20.38 | 2451807.88 | +16.6 | FAST | 3720-7540 | 1.50 | 6-7 | 37.0 | 1.0 | 1.16 | F110 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2000dk** | | | | | | | | | | | | | | |
| 2000-09-20.39 | 2451807.89 | −5.1 | FAST | 3720-7540 | 1.50 | 6-7 | 92.0 | 0.4 | 1.01 | F110 | 1-2 | 3.0 | 720 | PBe |
| 2000-09-21.27 | 2451808.77 | −4.2 | FAST | 3720-7540 | 1.50 | 6-7 | 99.0 | 2.0 | 1.12 | BD28 | 1-2 | 3.0 | 720 | PBe |
| 2000-09-26.37 | 2451813.87 | +0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 3.8 | 1.01 | BD28 | 2 | 3.0 | 600 | ZB |
| 2000-09-29.34 | 2451816.84 | +3.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 37.3 | 1.00 | G191 | 2 | 3.0 | 600 | ZB |
| 2000-10-05.33 | 2451822.83 | +9.6 | FAST | 3650-7521 | 1.50 | 6-7 | 90.0 | 18.4 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2000-10-29.27 | 2451846.77 | +33.1 | FAST | 3640-7540 | 1.50 | 6-7 | 90.0 | 6.7 | 1.00 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-11-24.20 | 2451872.70 | +58.6 | FAST | 3680-7541 | 1.50 | 6-7 | 90.0 | 7.5 | 1.00 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 2000-12-24.16 | 2451902.66 | +88.1 | FAST | 3720-7540 | 1.50 | 6-7 | 88.0 | 1.5 | 1.05 | BD28 | 1 | 3.0 | 2×900 | MC |
| 2001-01-26.16 | 2451935.66 | +120.5 | MMTblue | 3756-7138 | 1.00 | 3-4 | 90.0 | 14.7 | 1.46 | F34 | ··· | ··· | 1200 | PBe |
| **SN 2000dl** | | | | | | | | | | | | | | |
| 2000-09-21.41 | 2451808.91 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 76.3 | 61.7 | 1.28 | BD28 | 1-2 | 3.0 | 3×1200 | PBe |
| **SN 2000dm** | | | | | | | | | | | | | | |
| 2000-09-25.11 | 2451812.61 | −2.9 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 22.8 | 1.08 | BD28 | 2 | 3.0 | 2×900 | ZB |
| **SN 2000dn** | | | | | | | | | | | | | | |
| 2000-09-29.29 | 2451816.79 | −7.7 | FAST | 3720-7540 | 1.50 | 6-7 | 13.0 | 4.1 | 1.25 | G191 | 2 | 3.0 | 1200 | ZB |
| 2000-10-03.30 | 2451820.80 | −3.8 | FAST | 3640-7520 | 1.50 | 6-7 | 90.0 | 60.6 | 1.32 | BD28 | 1-2 | 3.0 | 540 | PBe |
| 2000-10-06.25 | 2451823.75 | −0.9 | FAST | 3699-7521 | 1.50 | 6-7 | 5.0 | 4.9 | 1.23 | BD33 | 1-2 | 3.0 | 1200 | MC |
| 2000-11-23.13 | 2451871.63 | +45.4 | FAST | 3680-7541 | 1.50 | 6-7 | 12.0 | 4.3 | 1.25 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| **SN 2000dp** | | | | | | | | | | | | | | |
| 2000-10-04.40 | 2451821.90 | @0.0 | FAST | 3650-7521 | 1.50 | 6-7 | 0.0 | 0.0 | 1.44 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2000-10-06.41 | 2451823.91 | @1.9 | FAST | 3699-7521 | 1.50 | 6-7 | 3.0 | 3.5 | 1.45 | BD33 | 1-2 | 3.0 | 1200 | MC |
| **SN 2000ey** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000-12-01.12 | 2451879.62 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 2.2 | 1.13 | F34 | 1-2 | 3.0 | 900 | KR |
| **SN 2000fa** | | | | | | | | | | | | | | |
| 2000-12-03.44 | 2451881.94 | −10.4 | MMTblue | 3420-7020 | 1.00 | 3-4 | 90.0 | 63.9 | 1.02 | HD21 | ··· | ··· | 900 | ··· |
| 2000-12-03.48 | 2451881.98 | −10.4 | FAST | 3680-7541 | 1.50 | 6-7 | 57.0 | 5.5 | 1.08 | F34 | 2 | 3.0 | 1200 | JHuc |
| 2000-12-15.36 | 2451893.86 | +1.3 | FAST | 3680-7541 | 1.50 | 5-6 | 45.0 | 78.9 | 1.02 | HZ14 | 2 | 2.0 | 2×600 | PBe |
| 2000-12-16.36 | 2451894.86 | +2.2 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 5.5 | 1.02 | H600 | 3 | 3.0 | 900 | PBe |
| 2000-12-18.38 | 2451896.88 | +4.2 | FAST | 3720-7540 | 1.50 | 6-7 | 2.0 | 19.5 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2000-12-23.35 | 2451901.85 | +9.1 | FAST | 3730-7550 | 1.50 | 6-7 | −44.0 | 17.2 | 1.01 | BD28 | 1-2 | 3.0 | 900 | MC |
| 2000-12-25.42 | 2451903.92 | +11.1 | FAST | 3720-7540 | 1.50 | 6-7 | 61.0 | 2.0 | 1.08 | BD28 | 1 | 3.0 | 900 | MC |
| 2000-12-28.41 | 2451906.91 | +14.0 | FAST | 3720-7540 | 1.50 | 6-7 | 64.0 | 0.4 | 1.09 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2000-12-30.43 | 2451908.93 | +16.0 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 1.5 | 1.14 | F34 | 1-2 | 3.0 | 900 | MC |
| 2001-01-01.42 | 2451910.92 | +18.0 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 1.1 | 1.13 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-01-04.36 | 2451913.86 | +20.9 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 0.4 | 1.02 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-01-15.41 | 2451924.91 | +31.7 | FAST | 3720-7540 | 1.50 | 6-7 | 67.0 | 0.8 | 1.24 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-01-21.36 | 2451930.86 | +37.5 | FAST | 3720-7540 | 1.50 | 6-7 | 64.0 | 1.7 | 1.12 | F25 | 1-2 | 3.0 | 1200 | MC |
| 2001-01-26.19 | 2451935.69 | +42.2 | MMTblue | 3660-7180 | 1.00 | 3-4 | 90.0 | 24.0 | 1.12 | F34 | ··· | ··· | 1200 | PBe |
| 2001-03-25.18 | 2451993.68 | +99.0 | MMTblue | 3250-8850 | 2.00 | 6-7 | 90.0 | 26.7 | 1.11 | F34 | ··· | 1.0 | 5×900 | PC, JGr |
| **SN 2000fd** | | | | | | | | | | | | | | |
| 2000-12-15.15 | 2451893.65 | @0.0 | FAST | 3680-7541 | 1.50 | 6-7 | 90.0 | 0.8 | 1.03 | HZ14 | 2-3 | 3.0 | 1200 | PBe |
| 2000-12-26.15 | 2451904.65 | @10.8 | FAST | 3720-7540 | 1.50 | 6-7 | 87.0 | 1.8 | 1.10 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| **SN 2000fo** | | | | | | | | | | | | | | |
| 2000-12-23.09 | 2451901.59 | @0.0 | FAST | 3730-7550 | 1.50 | 6-7 | 71.0 | 0.7 | 1.11 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2000-12-29.11 | 2451907.61 | @5.9 | FAST | 3760-7540 | 1.50 | 6-7 | 75.0 | 3.0 | 1.23 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-01-01.08 | 2451910.58 | @8.8 | FAST | 3720-7540 | 1.50 | 6-7 | 72.0 | 0.1 | 1.15 | BD28 | 2 | 3.0 | 1200 | MC |
| 2001-01-04.09 | 2451913.59 | @11.7 | FAST | 3720-7540 | 1.50 | 6-7 | 73.0 | 1.0 | 1.23 | F34 | 3 | 3.0 | 1200 | PBe |
| **SN 2001C** | | | | | | | | | | | | | | |
| 2001-01-14.20 | 2451923.70 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 52.0 | 2.0 | 1.21 | F25 | 1-2 | 3.0 | 900 | MC |
| 2001-01-21.34 | 2451930.84 | @7.1 | FAST | 3720-7540 | 1.50 | 6-7 | −41.0 | 4.1 | 1.20 | F25 | 1-2 | 3.0 | 900 | MC |
| 2001-02-22.25 | 2451962.75 | @38.6 | FAST | 3720-7540 | 1.50 | 6-7 | −38.0 | 5.2 | 1.19 | H600 | 1-2 | 3.0 | 1200 | MC |
| 2001-03-16.14 | 2451984.64 | @60.3 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 3.3 | 1.13 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-18.13 | 2451986.63 | @62.2 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 7.3 | 1.13 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-25.19 | 2451993.69 | @69.2 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 4.4 | 1.23 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-03-25.25 | 2451993.75 | @69.3 | MMTblue | 3250-8850 | 2.00 | 6-7 | 90.0 | 9.3 | 1.47 | F34 | ··· | 1.0 | 1200 | PC, JGr |
| 2001-03-28.18 | 2451996.68 | @72.2 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 13.2 | 1.25 | F34 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-04-02.15 | 2452001.65 | @77.1 | FAST | 3720-7540 | 1.50 | 6-7 | 42.0 | 88.5 | 1.21 | F34 | 1 | 3.0 | 2×1200 | MC |
| | | | | | | **SN 2001E** | | | | | | | | |
| 2001-01-19.49 | 2451928.99 | +2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 4.5 | 1.35 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-01-24.48 | 2451933.98 | +7.7 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 1.7 | 1.34 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-01-31.46 | 2451940.96 | +14.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 82.5 | 1.35 | F34 | ··· | 3.0 | 2×1800 | BP |
| 2001-02-25.37 | 2451965.87 | +39.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.1 | 1.34 | F34 | 1-2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 2001F** | | | | | | | | |
| 2001-01-14.54 | 2451924.04 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 26.1 | 1.02 | F25 | 2-3 | 3.0 | 1200 | MC |
| | | | | | | **SN 2001G** | | | | | | | | |
| 2001-01-15.32 | 2451924.82 | −5.1 | FAST | 3720-7540 | 1.50 | 6-7 | 49.0 | 5.5 | 1.09 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-01-25.34 | 2451934.84 | +4.7 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 1.8 | 1.06 | F34 | 2-3 | 3.0 | 1200 | PBe |
| 2001-02-01.39 | 2451941.89 | +11.6 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 86.3 | 1.10 | F34 | ··· | 3.0 | 1200 | BP |
| 2001-02-16.31 | 2451956.81 | +26.3 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 12.4 | 1.06 | G191 | 2-3 | 3.0 | 2×900 | MC |
| 2001-02-21.28 | 2451961.78 | +31.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 3.0 | 1.06 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-02-23.29 | 2451963.79 | +33.2 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 9.7 | 1.06 | F34 | 1 | 3.0 | 1200 | MC |
| 2001-02-27.22 | 2451967.72 | +37.0 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 1.6 | 1.07 | F34 | 2-3 | 3.0 | 1200 | PBe |
| 2001-03-01.45 | 2451969.95 | +39.2 | FAST | 3720-7540 | 1.50 | 6-7 | 83.0 | 2.6 | 1.76 | HZ44 | 2 | 3.0 | 2×900 | MC |
| 2001-03-15.19 | 2451983.69 | +52.8 | FAST | 3720-7540 | 1.50 | 6-7 | 29.0 | 4.3 | 1.06 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-17.18 | 2451985.68 | +54.7 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 2.6 | 1.07 | F34 | 2 | 3.0 | 1200 | PBe |
| 2001-03-24.19 | 2451992.69 | +61.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 88.9 | 1.06 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-03-25.27 | 2451993.77 | +62.7 | MMTblue | 3250-8850 | 2.00 | 6-7 | 90.0 | 25.7 | 1.16 | F34 | ··· | 1.0 | 1200 | PC, JGr |
| 2001-03-27.17 | 2451995.67 | +64.5 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 1.9 | 1.06 | F34 | 2 | 3.0 | 1200 | PBe |
| 2001-04-23.19 | 2452022.69 | +91.1 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 4.6 | 1.16 | F34 | 1 | 3.0 | 1200 | MC |
| 2001-05-25.18 | 2452054.68 | +122.6 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 0.0 | 1.47 | F34 | ··· | ··· | 2×1800 | PC, JS |
| | | | | | | **SN 2001L** | | | | | | | | |
| 2001-01-19.46 | 2451928.96 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −3.0 | 2.4 | 1.31 | F34 | 1-2 | 3.0 | 600 | MC |
| 2001-02-22.42 | 2451962.92 | @33.5 | FAST | 3720-7540 | 1.50 | 6-7 | 19.0 | 3.7 | 1.39 | H600 | 1 | 3.0 | 1200 | MC |
| | | | | | | **SN 2001N** | | | | | | | | |
| 2001-01-22.46 | 2451931.96 | +0.7 | FAST | 3720-7540 | 1.50 | 6-7 | 57.0 | 0.6 | 1.04 | H600 | 1 | 3.0 | 1140 | MC |
| 2001-01-24.39 | 2451933.89 | +2.6 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 3.6 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-01-26.24 | 2451935.74 | +4.4 | MMTblue | 3660-7180 | 1.00 | 3-4 | 90.0 | 22.9 | 1.72 | F34 | ··· | ··· | 900 | PBe |
| 2001-01-31.40 | 2451940.90 | +9.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 87.2 | 1.01 | F34 | ··· | 3.0 | 1800 | BP |
| 2001-02-01.37 | 2451941.87 | +10.4 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 85.9 | 1.02 | F34 | ··· | 3.0 | 1200 | BP |
| 2001-02-02.47 | 2451942.97 | +11.5 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 1.9 | 1.12 | BD33 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-02-17.39 | 2451957.89 | +26.1 | FAST | 3720-7540 | 1.50 | 6-7 | 49.0 | 5.7 | 1.03 | HZ44 | 1 | 3.0 | 1200 | MC |
| 2001-02-21.34 | 2451961.84 | +29.9 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 36.8 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-02-23.31 | 2451963.81 | +31.9 | FAST | 3720-7540 | 1.50 | 6-7 | −70.0 | 28.7 | 1.02 | F34 | 1 | 3.0 | 1200 | MC |
| | | | | | | **SN 2001P** | | | | | | | | |
| 2001-02-02.52 | 2451943.02 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 58.0 | 3.2 | 1.14 | BD33 | 1-2 | 3.0 | 1200 | MC |
| 2001-02-19.42 | 2451959.92 | @16.6 | FAST | 3720-7540 | 1.50 | 6-7 | 40.0 | 0.4 | 1.04 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| | | | | | | **SN 2001U** | | | | | | | | |
| 2001-02-19.48 | 2451959.98 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.2 | 1.33 | F34 | 1-2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 2001V** | | | | | | | | |
| 2001-02-19.40 | 2451959.90 | −13.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 78.5 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-02-20.29 | 2451960.79 | −12.3 | FAST | 3435-7540 | 1.50 | 6-7 | −70.0 | 0.2 | 1.22 | F34 | 1-2 | 3.0 | 3×1200 | PBe |
| 2001-02-21.39 | 2451961.89 | −11.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 5.5 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-02-22.44 | 2451962.94 | −10.2 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 2.9 | 1.05 | H600 | 1 | 3.0 | 1200 | MC |
| 2001-02-23.33 | 2451963.83 | −9.3 | FAST | 3720-7540 | 1.50 | 6-7 | −67.0 | 1.2 | 1.06 | F34 | 1 | 3.0 | 1200 | MC |
| 2001-02-25.30 | 2451965.80 | −7.4 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 10.9 | 1.12 | F34 | 3 | 3.0 | 1200 | PBe |
| 2001-02-26.30 | 2451966.80 | −6.4 | FAST | 3720-7540 | 1.50 | 6-7 | −80.0 | 11.1 | 1.11 | F34 | 2-3 | 3.0 | 500 | PBe |
| 2001-02-27.33 | 2451967.83 | −5.4 | FAST | 3720-7540 | 1.50 | 6-7 | −60.0 | 2.9 | 1.04 | F34 | 1-2 | 3.0 | 2×720 | PBe |
| 2001-03-01.47 | 2451969.97 | −3.3 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 1.1 | 1.20 | HZ44 | 2 | 3.0 | 1200 | MC |
| 2001-03-14.43 | 2451982.93 | +9.5 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 0.7 | 1.15 | HZ44 | 2 | 3.0 | 1200 | MC |
| 2001-03-15.44 | 2451983.94 | +10.5 | FAST | 3720-7540 | 1.50 | 6-7 | 72.0 | 1.9 | 1.23 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-16.29 | 2451984.79 | +11.3 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 8.3 | 1.03 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-17.45 | 2451985.95 | +12.5 | FAST | 3720-7540 | 1.50 | 6-7 | 73.0 | 3.0 | 1.29 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-18.47 | 2451986.97 | +13.5 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 0.4 | 1.44 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-23.24 | 2451991.74 | +18.2 | FAST | 3720-7540 | 1.50 | 6-7 | −69.0 | 1.2 | 1.09 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-03-24.21 | 2451992.71 | +19.1 | FAST | 3720-7540 | 1.50 | 6-7 | −69.0 | 0.9 | 1.16 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-03-25.21 | 2451993.71 | +20.1 | FAST | 3720-7540 | 1.50 | 6-7 | −70.0 | 0.1 | 1.16 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-03-25.40 | 2451993.90 | +20.3 | MMTblue | 3250-10000 | 2.00 | 6-7 | 90.0 | 20.1 | 1.18 | HD84 | ··· | 1.0 | 2×1200 | PC, JGr |
| 2001-03-26.24 | 2451994.74 | +21.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 24.4 | 1.06 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-03-26.47 | 2451994.97 | +21.3 | MMTblue | 3250-8850 | 2.00 | 6-7 | 90.0 | 21.7 | 1.63 | HD84 | ··· | 1.0 | 2×600 | PC, JGr |
| 2001-03-27.32 | 2451995.82 | +22.2 | FAST | 3720-7540 | 1.50 | 6-7 | 33.0 | 8.0 | 1.01 | F34 | 2 | 3.0 | 1200 | PBe |
| 2001-03-28.29 | 2451996.79 | +23.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 3.8 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-29.29 | 2451997.79 | +24.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 5.9 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-04-01.22 | 2452000.72 | +27.0 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 3.3 | 1.07 | F34 | 1 | 3.0 | 1200 | MC |
| 2001-04-02.19 | 2452001.69 | +28.0 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 0.2 | 1.17 | F34 | 1 | 3.0 | 2×900 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-04-14.31 | 2452013.81 | +39.9 | FAST | 3720-7540 | 1.50 | 6-7 | 66.0 | 1.1 | 1.08 | F66 | 2 | 3.0 | 1200 | JHuc |
| 2001-04-21.17 | 2452020.67 | +46.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 4.9 | 1.06 | F34 | 1 | 3.0 | 1200 | MC |
| 2001-04-22.38 | 2452021.88 | +47.8 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 0.0 | 1.51 | HZ44 | 2-3 | 3.0 | 2×1020 | MC |
| 2001-04-23.22 | 2452022.72 | +48.7 | FAST | 3720-7440 | 1.50 | 6-7 | −34.0 | 16.9 | 1.01 | F34 | 1 | 3.0 | 1200 | MC |
| 2001-04-24.23 | 2452023.73 | +49.7 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 7.0 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-04-26.29 | 2452025.79 | +51.7 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 1.3 | 1.10 | F34 | 2 | 3.0 | 1200 | PBe |
| 2001-04-26.33 | 2452025.83 | +51.7 | MMTblue | 3250-8900 | 2.00 | 7-8 | 90.0 | 19.9 | 1.26 | F34 | ··· | 2.0 | 2×900 | ··· |
| 2001-04-27.35 | 2452026.85 | +52.7 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 0.2 | 1.36 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| 2001-05-01.36 | 2452030.86 | +56.7 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 1.3 | 1.56 | BD33 | 1-2 | 3.0 | 1200 | PBe |
| 2001-05-18.24 | 2452047.74 | +73.3 | FAST | 3720-7540 | 1.50 | 6-7 | 73.0 | 3.5 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-05-23.16 | 2452052.66 | +78.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 45.2 | 1.01 | F34 | 2 | 3.0 | 1200 | KR |
| 2001-05-24.30 | 2452053.80 | +79.3 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 21.6 | 1.62 | BD26 | ··· | ··· | 1200 | PC, MP |
| 2001-06-19.23 | 2452079.73 | +104.8 | MMTblue | 3200-8900 | 2.00 | 7-8 | 90.0 | 22.1 | 1.71 | BD26 | ··· | ··· | 2×1200 | TM |
| **SN 2001ah** | | | | | | | | | | | | | | |
| 2001-03-28.22 | 2451996.72 | −9.6 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 0.1 | 1.11 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-03-29.25 | 2451997.75 | −8.7 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 6.9 | 1.09 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-04-26.30 | 2452025.80 | +17.8 | MMTblue | 3250-8900 | 2.00 | 7-8 | 90.0 | 18.7 | 1.28 | BD26 | ··· | 2.0 | 2×900 | ··· |
| 2001-05-24.26 | 2452053.76 | +44.3 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 5.1 | 1.47 | BD28 | ··· | ··· | 2×1800 | PC, MP |
| 2001-05-25.25 | 2452054.75 | +45.2 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 9.4 | 1.40 | F34 | ··· | ··· | 2×1800 | PC, JS |
| **SN 2001ay** | | | | | | | | | | | | | | |
| 2001-04-21.48 | 2452020.98 | −1.5 | FAST | 3720-7540 | 1.50 | 6-7 | 71.0 | 1.0 | 1.48 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-04-24.32 | 2452023.82 | +1.3 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 16.3 | 1.01 | F34 | 2 | 3.0 | 1200 | PBe |
| 2001-04-26.34 | 2452025.84 | +3.3 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 1.5 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-04-26.41 | 2452025.91 | +3.3 | MMTblue | 3250-8900 | 2.00 | 7-8 | 90.0 | 18.7 | 1.14 | F34 | ··· | 2.0 | 2×900 | ··· |
| 2001-04-27.36 | 2452026.86 | +4.2 | FAST | 3720-7540 | 1.50 | 6-7 | 64.0 | 1.8 | 1.04 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| 2001-04-30.36 | 2452029.86 | +7.2 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 2.1 | 1.05 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-05-02.30 | 2452031.80 | +9.0 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 10.7 | 1.01 | HZ44 | 1-2 | 3.0 | 1200 | PBe |
| 2001-05-16.26 | 2452045.76 | +22.6 | FAST | 3720-7540 | 1.50 | 6-7 | −33.0 | 19.7 | 1.01 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| 2001-05-23.33 | 2452052.83 | +29.5 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 2.4 | 1.14 | F34 | 2 | 3.0 | 1200 | KR |
| 2001-05-24.33 | 2452053.83 | +30.4 | MMTblue | 3220-9288 | 2.00 | 7-8 | 90.0 | 18.8 | 1.14 | BD28/BD26 | ··· | ··· | 2×1200 | PC, MP |
| 2001-05-25.34 | 2452054.84 | +31.4 | MMTblue | 3220-9356 | 2.00 | 7-8 | 90.0 | 18.5 | 1.19 | F34/BD26 | ··· | ··· | 2×1800 | PC, JS |
| 2001-05-25.38 | 2452054.88 | +31.4 | FAST | 3720-7500 | 1.50 | 6-7 | 69.0 | 1.6 | 1.39 | F34 | 2 | 3.0 | 1200 | KR |
| 2001-05-30.37 | 2452059.87 | +36.3 | FAST | 3720-7540 | 1.50 | 6-7 | 71.0 | 0.9 | 1.46 | HZ44 | 1-2 | 3.0 | 2×1200 | MC |
| 2001-06-18.22 | 2452078.72 | +54.6 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 2.0 | 1.05 | HZ44 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-06-18.30 | 2452078.80 | +54.7 | MMTblue | 3200-8900 | 2.00 | 7-8 | 90.0 | 19.0 | 1.32 | BD28 | ··· | ··· | 2×900 | TM |
| **SN 2001az** | | | | | | | | | | | | | | |
| 2001-04-30.40 | 2452029.90 | −3.1 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 2.7 | 1.40 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-05-22.33 | 2452051.83 | +18.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.3 | 1.40 | F34 | 2 | 3.0 | 1200 | KR |
| 2001-05-24.43 | 2452053.93 | +20.0 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 45.1 | 1.49 | BD28 | ··· | ··· | 1800 | PC, MP |
| 2001-05-29.35 | 2452058.85 | +24.7 | FAST | 3720-7540 | 1.50 | 6-7 | −14.0 | 4.0 | 1.41 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| 2001-06-18.39 | 2452078.89 | +44.0 | MMTblue | 3200-8900 | 2.00 | 7-8 | 90.0 | 32.4 | 1.55 | BD28 | ··· | ··· | 2×1200 | TM |
| **SN 2001bf** | | | | | | | | | | | | | | |
| 2001-05-17.48 | 2452046.98 | +0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 1.3 | 1.09 | F34 | 1-2 | 3.0 | 900 | MC |
| 2001-05-21.43 | 2452050.93 | +4.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 30.0 | 1.02 | F34 | 2 | 3.0 | 1200 | KR |
| 2001-05-24.44 | 2452053.94 | +7.6 | FAST | 3720-7500 | 1.50 | 6-7 | 90.0 | 23.8 | 1.04 | F34 | 2 | 3.0 | 1200 | KR |
| 2001-05-25.47 | 2452054.97 | +8.7 | MMTblue | 3220-10000 | 2.00 | 7-8 | 90.0 | 19.1 | 1.11 | BD26 | ··· | ··· | 2×1200 | PC, JS |
| 2001-05-29.37 | 2452058.87 | +12.5 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 23.6 | 1.00 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| 2001-06-28.30 | 2452088.80 | +42.0 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 25.7 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-07-14.27 | 2452104.77 | +57.7 | FAST | 3720-7540 | 1.50 | 6-7 | 37.0 | 11.9 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-07-15.40 | 2452105.90 | +58.8 | MMTblue | 3200-9310 | 2.00 | 6-7 | 90.0 | 19.9 | 1.47 | BD28 | ··· | 1.0 | 2×1200 | PBe |
| 2001-07-21.19 | 2452111.69 | +64.5 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 5.6 | 1.03 | BD33 | 1-2 | 3.0 | 1200 | MC |
| **SN 2001bg** | | | | | | | | | | | | | | |
| 2001-05-15.23 | 2452044.73 | +4.2 | FAST | 3720-7540 | 1.50 | 6-7 | 67.0 | 1.4 | 2.46 | F34 | 1 | 3.0 | 3×300 | MC |
| 2001-05-16.23 | 2452045.73 | +5.1 | FAST | 3720-7540 | 1.50 | 6-7 | 67.0 | 1.7 | 2.54 | HZ44 | 1-2 | 3.0 | 900 | MC |
| 2001-05-21.14 | 2452050.64 | +10.0 | FAST | 3720-7540 | 1.50 | 6-7 | 72.0 | 0.7 | 1.39 | F34 | 2 | 3.0 | 900 | KR |
| 2001-05-25.14 | 2452054.64 | +14.0 | FAST | 3720-7500 | 1.50 | 6-7 | 71.0 | 1.0 | 1.45 | F34 | 2 | 3.0 | 1200 | KR |
| 2001-05-30.15 | 2452059.65 | +19.0 | FAST | 3720-7540 | 1.50 | 6-7 | 69.0 | 0.9 | 1.70 | HZ44 | 1-2 | 3.0 | 1200 | MC |
| **SN 2001bp** | | | | | | | | | | | | | | |
| 2001-05-17.46 | 2452046.96 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 83.0 | 1.0 | 1.32 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-05-24.39 | 2452053.89 | @6.3 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 3.1 | 1.10 | BD26 | ··· | ··· | 2×1200 | PC, MP |
| 2001-05-25.39 | 2452054.89 | @7.2 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 3.0 | 1.11 | BD26 | ··· | ··· | 2×1800 | PC, JS |
| 2001-05-31.37 | 2452060.87 | @12.7 | FAST | 3720-7540 | 1.50 | 6-7 | 97.0 | 4.2 | 1.11 | HZ44 | 2-3 | 3.0 | 2×1200 | MC |
| 2001-06-18.36 | 2452078.86 | @29.1 | MMTblue | 3200-8900 | 2.00 | 7-8 | 90.0 | 5.7 | 1.26 | BD28 | ··· | ··· | 2×1200 | TM |
| **SN 2001br** | | | | | | | | | | | | | | |
| 2001-05-21.44 | 2452050.94 | −0.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 13.7 | 1.01 | F34 | 2 | 3.0 | 900 | KR |
| 2001-05-24.46 | 2452053.96 | +2.5 | MMTblue | 3220-10000 | 2.00 | 7-8 | 90.0 | 3.7 | 1.04 | BD28/BD26 | ··· | ··· | 900,1200 | PC, MP |
| 2001-06-18.44 | 2452078.94 | +27.0 | MMTblue | 3200-8900 | 2.00 | 7-8 | 90.0 | 5.8 | 1.16 | BD28 | ··· | ··· | 2×1200 | TM |
| 2001-07-14.29 | 2452104.79 | +52.3 | FAST | 3720-7540 | 1.50 | 6-7 | −57.0 | 15.2 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-07-15.44 | 2452105.94 | +53.4 | MMTblue | 3200-9262 | 2.00 | 6-7 | 90.0 | 15.3 | 1.58 | BD28/BD17 | ··· | 1.0 | 2×1200 | PBe |
| **SN 2001bs** | | | | | | | | | | | | | | |
| 2001-05-24.36 | 2452053.86 | @0.0 | MMTblue | 3220-8900 | 2.00 | 7-8 | 90.0 | 55.4 | 1.28 | BD28 | ··· | ··· | 1200 | PC, MP |
| 2001-05-24.37 | 2452053.87 | @0.0 | FAST | 3720-7500 | 1.50 | 6-7 | 90.0 | 52.0 | 1.29 | F34 | 2 | 3.0 | 1200 | KR |
| **SN 2001cj** | | | | | | | | | | | | | | |
| 2001-06-19.26 | 2452079.76 | +13.6 | MMTblue | 3200-8900 | 2.00 | 7-8 | 90.0 | 14.1 | 1.35 | BD26 | ··· | ··· | 2×1200 | TM |
| **SN 2001ck** | | | | | | | | | | | | | | |
| 2001-06-17.29 | 2452077.79 | +4.8 | FAST | 3720-7540 | 1.50 | 6-7 | 77.0 | 0.9 | 1.19 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-06-18.33 | 2452078.83 | +5.8 | MMTblue | 3200-8900 | 2.00 | 7-8 | 90.0 | 16.1 | 1.43 | BD26 | ··· | ··· | 2×900 | TM |
| 2001-06-27.22 | 2452087.72 | +14.4 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 0.7 | 1.06 | HZ44 | 1-2 | 3.0 | 1200 | PBe |
| 2001-06-29.18 | 2452089.68 | +16.3 | FAST | 3720-7540 | 1.50 | 6-7 | 63.0 | 16.9 | 1.01 | BD33 | 1-2 | 3.0 | 1200 | MC |
| **SN 2001cp** | | | | | | | | | | | | | | |
| 2001-06-21.45 | 2452081.95 | −6.8 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 1.1 | 2.13 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-06-23.44 | 2452083.94 | −4.9 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 0.8 | 2.07 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-06-24.40 | 2452084.90 | −3.9 | FAST | 3720-7540 | 1.50 | 6-7 | 53.0 | 0.5 | 1.53 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-06-27.26 | 2452087.76 | −1.1 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 1.1 | 1.11 | HZ44 | 1-2 | 3.0 | 1200 | PBe |
| 2001-06-29.28 | 2452089.78 | +0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 11.0 | 6.1 | 1.12 | BD33 | 1-2 | 3.0 | 1200 | MC |
| 2001-07-15.25 | 2452105.75 | +16.4 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 5.5 | 1.14 | BD28 | 1 | 3.0 | 1200 | MC |
| 2001-07-21.21 | 2452111.71 | +22.3 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 6.4 | 1.11 | BD33 | 1-2 | 3.0 | 1200 | MC |
| 2001-07-25.26 | 2452115.76 | +26.2 | FAST | 3720-7540 | 1.50 | 6-7 | 40.0 | 0.9 | 1.22 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2001da** | | | | | | | | | | | | | | |
| 2001-07-14.46 | 2452104.96 | −2.0 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 4.0 | 1.12 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-07-15.47 | 2452105.97 | −1.0 | MMTblue | 3200-9284 | 2.00 | 6-7 | 90.0 | 75.3 | 1.10 | BD28 | ··· | 1.0 | 2×900 | PBe |
| 2001-07-16.46 | 2452106.96 | −0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −24.0 | 4.6 | 1.11 | BD28 | 1 | 3.0 | 1200 | MC |
| 2001-07-18.45 | 2452108.95 | +1.9 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 7.1 | 1.11 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-07-19.47 | 2452109.97 | +2.9 | FAST | 3720-7540 | 1.50 | 6-7 | −6.0 | 1.3 | 1.09 | BD28 | 1-2 | 3.0 | 720 | PBe |
| 2001-07-24.45 | 2452114.95 | +7.8 | FAST | 3720-7540 | 1.50 | 6-7 | −8.0 | 2.1 | 1.09 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-09-12.32 | 2452164.82 | +56.8 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 2.5 | 1.09 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2001de** | | | | | | | | | | | | | | |
| 2001-07-24.43 | 2452114.93 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 4.3 | 1.06 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2001eb** | | | | | | | | | | | | | | |
| 2001-09-11.49 | 2452163.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 5.3 | 1.19 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2001ec** | | | | | | | | | | | | | | |
| 2001-09-11.45 | 2452163.95 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 41.8 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-09-12.45 | 2452164.95 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 3.5 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-09-15.45 | 2452167.95 | @3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 87.0 | 0.5 | 1.01 | BD28 | 1-2 | 3.0 | 2×900 | MC |
| **SN 2001ed** | | | | | | | | | | | | | | |
| 2001-09-11.43 | 2452163.93 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 12.0 | 0.4 | 1.11 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2001eh** | | | | | | | | | | | | | | |
| 2001-09-12.44 | 2452164.94 | −4.9 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 6.7 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-09-15.42 | 2452167.92 | −2.0 | FAST | 3720-7540 | 1.50 | 6-7 | −31.0 | 11.1 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-09-17.39 | 2452169.89 | −0.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.2 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-09-20.33 | 2452172.83 | +2.7 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 4.8 | 1.05 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-09-21.35 | 2452173.85 | +3.7 | FAST | 3720-7540 | 1.50 | 6-7 | 48.0 | 8.7 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-09-22.35 | 2452174.85 | +4.7 | FAST | 3720-7540 | 1.50 | 6-7 | 51.0 | 6.7 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-09-23.37 | 2452175.87 | +5.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 14.4 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-09-26.37 | 2452178.87 | +8.6 | FAST | 3720-9040 | 1.50 | 6-7 | 11.0 | 14.5 | 1.02 | BD28/HD19 | 1-2 | 3.0 | 2×1200 | MC |
| 2001-10-13.33 | 2452195.83 | +24.9 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 11.3 | 1.02 | BD28 | 2 | 3.0 | 1320 | PBe |
| 2001-10-14.32 | 2452196.82 | +25.9 | FAST | 3720-7540 | 1.50 | 6-7 | −6.0 | 0.5 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-15.32 | 2452197.82 | +26.8 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 7.0 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-17.33 | 2452199.83 | +28.8 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 13.6 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-10-19.39 | 2452201.89 | +30.8 | FAST | 3720-7540 | 1.50 | 6-7 | 103.0 | 1.8 | 1.12 | BD28 | 2 | 3.0 | 1200 | MC |
| 2001-10-21.30 | 2452203.80 | +32.6 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 5.2 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-24.26 | 2452206.76 | +35.5 | FAST | 3720-7540 | 1.50 | 6-7 | 47.0 | 7.4 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-11-17.20 | 2452230.70 | +58.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 53.2 | 1.02 | F34 | 2 | 3.0 | 1200 | KR |
| **SN 2001en** | | | | | | | | | | | | | | |
| 2001-10-11.39 | 2452193.89 | +1.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 1.2 | 1.08 | BD28 | 1.5 | 3.0 | 1200 | JHuc |
| 2001-10-14.34 | 2452196.84 | +4.4 | FAST | 3720-7540 | 1.50 | 6-7 | −6.0 | 71.2 | 1.01 | BD28 | 1-2 | 3.0 | 900 | PBe |
| 2001-10-15.31 | 2452197.81 | +5.3 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 34.0 | 1.00 | BD28 | 1-2 | 3.0 | 900 | PBe |
| 2001-10-16.33 | 2452198.83 | +6.3 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 87.6 | 1.01 | H600 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-18.35 | 2452200.85 | +8.3 | FAST | 3720-7540 | 1.50 | 6-7 | 95.0 | 1.9 | 1.04 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-10-20.29 | 2452202.79 | +10.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 12.4 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-22.29 | 2452204.79 | +12.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 7.0 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-24.25 | 2452206.75 | +14.1 | FAST | 3720-7540 | 1.50 | 6-7 | 84.0 | 3.7 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-11-17.19 | 2452230.69 | +37.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 11.6 | 1.01 | F34 | 2 | 3.0 | 1200 | KR |
| **SN 2001eo** | | | | | | | | | | | | | | |
| 2001-10-13.50 | 2452196.00 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 40.1 | 1.12 | BD28 | 2 | 3.0 | 1200 | PBe |
| **SN 2001ep** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-10-10.49 | 2452192.99 | −7.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 78.2 | 1.26 | BD28 | 3 | 3.0 | 1200 | JHuc |
| 2001-10-14.45 | 2452196.95 | −3.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.3 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-15.45 | 2452197.95 | −2.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.5 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-16.45 | 2452198.95 | −1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.9 | 1.24 | H600 | 2 | 3.0 | 1200 | PBe |
| 2001-10-17.42 | 2452199.92 | −0.2 | FAST | 3720-7540 | 1.50 | 6-7 | −18.0 | 3.0 | 1.27 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-10-18.43 | 2452200.93 | +0.8 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 4.6 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-10-19.44 | 2452201.94 | +1.8 | FAST | 3720-7540 | 1.50 | 6-7 | −6.0 | 4.1 | 1.24 | BD28 | 2 | 3.0 | 1200 | MC |
| 2001-10-20.44 | 2452202.94 | +2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.3 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-21.43 | 2452203.93 | +3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.3 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-22.43 | 2452204.93 | +4.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.5 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-10-23.45 | 2452205.95 | +5.8 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 4.2 | 1.25 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-10-24.43 | 2452206.93 | +6.8 | FAST | 3720-7540 | 1.50 | 6-7 | −1.0 | 5.0 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-10-25.43 | 2452207.93 | +7.8 | FAST | 3720-9299 | 1.50 | 6-7 | −7.0 | 4.6 | 1.24 | BD28/HD19 | 1-2 | 3.0 | 2×1200 | MC |
| 2001-11-07.39 | 2452220.89 | +20.5 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.9 | 1.24 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-11-15.37 | 2452228.87 | +28.4 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 1.8 | 1.24 | F34 | 3 | 3.0 | 1200 | PBe |
| 2001-11-18.47 | 2452231.97 | +31.5 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 7.2 | 1.60 | BD28 | 1-2 | 3.0 | 1200 | KR |
| 2001-11-20.48 | 2452233.98 | +33.5 | FAST | 3720-7540 | 1.50 | 6-7 | 44.0 | 2.3 | 1.80 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-11-22.28 | 2452235.78 | +35.2 | FAST | 3720-7540 | 1.50 | 6-7 | −29.0 | 2.3 | 1.38 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-12-04.32 | 2452247.82 | +47.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.0 | 1.24 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-12-14.32 | 2452257.82 | +57.0 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 1.1 | 1.26 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-12-18.31 | 2452261.81 | +60.9 | FAST | 3720-7540 | 1.50 | 6-7 | 13.0 | 4.5 | 1.28 | BD28 | 1 | 3.0 | 1200 | MC |
| 2001-12-24.33 | 2452267.83 | +66.9 | FAST | 3720-7540 | 1.50 | 6-7 | 22.0 | 8.3 | 1.37 | F34 | 3 | 3.0 | 1200 | MC |
| 2002-01-14.22 | 2452288.72 | +87.5 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 5.5 | 1.25 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2001es** | | | | | | | | | | | | | | |
| 2001-10-13.34 | 2452195.84 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 10.3 | 1.03 | BD28 | 2 | 3.0 | 1200 | PBe |
| **SN 2001ex** | | | | | | | | | | | | | | |
| 2001-10-18.51 | 2452201.01 | −3.5 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 4.8 | 1.09 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2001fe** | | | | | | | | | | | | | | |
| 2001-11-14.49 | 2452227.99 | −1.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 68.1 | 1.08 | F34 | 2 | 3.0 | 1200 | PBe |
| 2001-11-16.51 | 2452230.01 | +0.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 26.0 | 1.04 | BD28 | 2 | 3.0 | 1200 | KR |
| 2001-11-19.47 | 2452232.97 | +3.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 21.0 | 1.10 | F34 | 1-2 | 3.0 | 1200 | KR |
| 2001-11-22.48 | 2452235.98 | +6.2 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 3.3 | 1.06 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-12-07.49 | 2452250.99 | +21.0 | FAST | 3720-7540 | 1.50 | 5-6 | 90.0 | 55.4 | 1.01 | F34 | 2 | 2.0 | 1200 | EF |
| 2001-12-14.48 | 2452257.98 | +27.9 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.7 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-12-17.43 | 2452260.93 | +30.8 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 9.0 | 1.03 | BD28 | 1-2 | 3.0 | 1020 | MC |
| 2001-12-20.52 | 2452264.02 | +33.9 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 3.3 | 1.05 | BD28 | ··· | 3.0 | 1200 | LM |
| 2001-12-24.37 | 2452267.87 | +37.7 | FAST | 3720-7540 | 1.50 | 6-7 | 109.0 | 0.9 | 1.14 | F34 | 2-3 | 3.0 | 1200 | MC |
| 2002-01-07.34 | 2452281.84 | +51.5 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 0.3 | 1.12 | H600 | 1-2 | 3.0 | 1200 | MC |
| 2002-01-09.43 | 2452283.93 | +53.5 | FAST | 3720-7540 | 1.50 | 6-7 | 16.0 | 26.0 | 1.01 | F34 | 1-2 | 3.0 | 1200 | MS |
| 2002-01-18.37 | 2452292.87 | +62.3 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 44.0 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2001fh** | | | | | | | | | | | | | | |
| 2001-11-07.20 | 2452220.70 | −3.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 2.8 | 1.28 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-11-08.19 | 2452221.69 | −2.6 | FAST | 3720-7540 | 1.50 | 6-7 | 95.0 | 1.4 | 1.23 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-11-09.10 | 2452222.60 | −1.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 51.0 | 1.04 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-11-15.09 | 2452228.59 | +4.2 | FAST | 3720-7540 | 1.50 | 6-7 | −42.0 | 5.5 | 1.05 | F34 | 2 | 3.0 | 2×1200 | PBe |
| 2001-11-18.07 | 2452231.57 | +7.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 48.6 | 1.04 | BD28 | 1-2 | 3.0 | 1200 | KR |
| 2001-11-20.08 | 2452233.58 | +9.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 38.9 | 1.05 | F34 | 1-2 | 3.0 | 1200 | KR |
| **SN 2001fu** | | | | | | | | | | | | | | |
| 2001-11-07.51 | 2452221.01 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 4.2 | 1.59 | F34 | 1-2 | 3.0 | 900 | PBe |
| **SN 2001gb** | | | | | | | | | | | | | | |
| 2001-11-22.50 | 2452236.00 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −54.0 | 5.1 | 1.09 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-12-13.50 | 2452257.00 | @20.5 | FAST | 3720-7540 | 1.50 | 6-7 | −12.0 | 20.1 | 1.03 | F34 | 2-3 | 3.0 | 2×1200 | MC |
| 2001-12-17.45 | 2452260.95 | @24.3 | FAST | 3720-7540 | 1.50 | 6-7 | −44.0 | 5.8 | 1.05 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-12-22.52 | 2452266.02 | @29.3 | FAST | 3720-7540 | 1.50 | 6-7 | 34.0 | 7.9 | 1.06 | F34 | ··· | 3.0 | 1200 | LM |
| 2002-01-09.45 | 2452283.95 | @46.7 | FAST | 3720-7540 | 1.50 | 6-7 | 16.0 | 10.2 | 1.04 | F34 | 1-2 | 3.0 | 1200 | MS |
| **SN 2001gc** | | | | | | | | | | | | | | |
| 2001-11-22.26 | 2452235.76 | −8.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 13.3 | 1.28 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-12-04.36 | 2452247.86 | +3.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.9 | 1.07 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2001-12-05.35 | 2452248.85 | +4.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.1 | 1.07 | F34 | 3 | 3.0 | 1200 | PBe |
| 2001-12-06.33 | 2452249.83 | +5.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 75.4 | 1.07 | BD28 | 2 | 3.0 | 1200 | EF |
| 2001-12-08.35 | 2452251.85 | +7.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 85.5 | 1.07 | H600 | 3 | 3.0 | 1200 | EF |
| 2001-12-14.46 | 2452257.96 | +13.3 | FAST | 3720-7540 | 1.50 | 6-7 | 95.0 | 6.7 | 1.30 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-12-19.48 | 2452262.98 | +18.2 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 2.5 | 1.45 | BD28 | ··· | 3.0 | 1200 | LM |
| 2001-12-23.32 | 2452266.82 | +22.0 | FAST | 3720-7540 | 1.50 | 6-7 | −4.0 | 6.6 | 1.07 | F34 | 2 | 3.0 | 1200 | MC |
| 2002-01-08.25 | 2452282.75 | +37.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 81.5 | 1.07 | F34 | 1-2 | 3.0 | 1200 | MS |
| **SN 2001ib** | | | | | | | | | | | | | | |
| 2001-12-10.09 | 2452253.59 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 83.0 | 13.8 | 1.08 | H600 | 2 | 3.0 | 1200 | WBr |
| 2001-12-14.12 | 2452257.62 | @4.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 2.4 | 1.20 | F34 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2001ic** | | | | | | | | | | | | | | |
| 2001-12-14.09 | 2452257.59 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 1.2 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-12-18.11 | 2452261.61 | @3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 39.0 | 4.5 | 1.23 | BD28 | 1 | 3.0 | 2×900 | MC |
| **SN 2001ie** | | | | | | | | | | | | | | |
| 2001-12-12.49 | 2452255.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 5.6 | 1.14 | F34 | 3 | 3.0 | 1200 | WBr |
| 2001-12-14.51 | 2452258.01 | @2.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.2 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-12-17.47 | 2452260.97 | @4.8 | FAST | 3720-7540 | 1.50 | 6-7 | 24.0 | 3.5 | 1.15 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2001-12-21.50 | 2452265.00 | @8.7 | FAST | 3720-7540 | 1.50 | 6-7 | −3.0 | 5.9 | 1.14 | F34 | ··· | 3.0 | 1200 | LM |
| 2001-12-23.55 | 2452267.05 | @10.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 50.1 | 1.19 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2001-12-25.55 | 2452269.05 | @12.7 | FAST | 3720-7540 | 1.50 | 6-7 | −38.0 | 4.4 | 1.20 | F34 | 1 | 3.0 | 1200 | MC |
| 2002-01-07.54 | 2452282.04 | @25.3 | FAST | 3720-7540 | 1.50 | 6-7 | −45.0 | 11.2 | 1.26 | H600 | 1-2 | 3.0 | 1200 | MC |
| 2002-01-09.47 | 2452283.97 | @27.1 | FAST | 3720-7540 | 1.50 | 6-7 | −12.0 | 8.4 | 1.15 | F34 | 1-2 | 3.0 | 1200 | MS |
| **SN 2001if** | | | | | | | | | | | | | | |
| 2001-12-14.30 | 2452257.80 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 1.4 | 1.20 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2001-12-18.20 | 2452261.70 | @3.8 | FAST | 3720-7540 | 1.50 | 6-7 | −39.0 | 15.8 | 1.02 | BD28 | 1 | 3.0 | 1200 | MC |
| **SN 2001iq** | | | | | | | | | | | | | | |
| 2001-12-23.08 | 2452266.58 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 11.0 | 1.14 | F34 | 2 | 3.0 | 1200 | MC |
| 2001-12-25.12 | 2452268.62 | @2.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 0.5 | 1.30 | F34 | 2 | 3.0 | 1200 | MC |
| 2002-01-21.09 | 2452295.59 | @28.5 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 0.8 | 1.63 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-01-22.09 | 2452296.59 | @29.5 | FAST | 3720-7540 | 1.50 | 6-7 | 79.0 | 0.9 | 1.68 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002G** | | | | | | | | | | | | | | |
| 2002-01-20.53 | 2452295.03 | −4.4 | FAST | 3720-7521 | 1.50 | 6-7 | 37.0 | 52.1 | 1.00 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-01-22.52 | 2452297.02 | −2.5 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 41.3 | 1.00 | F34 | 1-2 | 3.0 | 900 | MC |
| **SN 2002H** | | | | | | | | | | | | | | |
| 2002-01-22.55 | 2452297.05 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 2.0 | 3.9 | 1.36 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002I** | | | | | | | | | | | | | | |
| 2002-01-22.54 | 2452297.04 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.6 | 1.21 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002ar** | | | | | | | | | | | | | | |
| 2002-02-11.52 | 2452317.02 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 1.2 | 1.27 | F34 | 3-5 | 3.0 | 1200 | MC |
| 2002-02-12.44 | 2452317.94 | @0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 43.0 | 6.4 | 1.04 | F34 | 1 | 3.0 | 1200 | MC |
| 2002-02-13.48 | 2452318.98 | @1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 3.9 | 1.14 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-02-14.42 | 2452319.92 | @2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 5.0 | 1.02 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-02-15.47 | 2452320.97 | @3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 1.4 | 1.10 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| 2002-03-20.28 | 2452353.78 | @35.7 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 18.2 | 1.02 | F34 | 2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2002av** | | | | | | | | | | | | | | |
| 2002-02-12.19 | 2452317.69 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 3.4 | 1.79 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-02-13.19 | 2452318.69 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 3.0 | 4.4 | 1.79 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-02-15.16 | 2452320.66 | @2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 7.0 | 9.9 | 1.77 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002aw** | | | | | | | | | | | | | | |
| 2002-02-17.51 | 2452323.01 | −1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 82.0 | 3.3 | 1.11 | F34 | 1-2 | 3.0 | 2×1200 | MC |
| 2002-02-18.52 | 2452324.02 | −0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 74.0 | 2.3 | 1.07 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-02-20.52 | 2452326.02 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 72.0 | 2.7 | 1.06 | F34 | 1 | 3.0 | 1200 | MC |
| **SN 2002bf** | | | | | | | | | | | | | | |
| 2002-03-06.22 | 2452339.72 | +1.8 | FAST | 3720-7540 | 1.50 | 6-7 | 43.0 | 1.5 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-03-09.25 | 2452342.75 | +4.8 | FAST | 3720-7540 | 1.50 | 6-7 | 21.0 | 4.6 | 1.10 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2002-03-10.24 | 2452343.74 | +5.7 | FAST | 3720-7540 | 1.50 | 6-7 | 29.0 | 4.9 | 1.11 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2002-03-11.21 | 2452344.71 | +6.7 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 5.9 | 1.13 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2002-03-15.22 | 2452348.72 | +10.6 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 5.0 | 1.11 | F34 | 2 | 3.0 | 2×1020 | MC |
| 2002-03-16.32 | 2452349.82 | +11.7 | FAST | 3720-7540 | 1.50 | 6-7 | −37.0 | 5.6 | 1.14 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-03-17.33 | 2452350.83 | +12.6 | FAST | 3720-7540 | 1.50 | 6-7 | −45.0 | 4.1 | 1.16 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-03-18.24 | 2452351.74 | +13.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 85.5 | 1.09 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-03-19.33 | 2452352.83 | +14.6 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 29.2 | 1.17 | F34 | 2 | 3.0 | 1045 | PBe |
| 2002-03-20.22 | 2452353.72 | +15.5 | FAST | 3720-7540 | 1.50 | 6-7 | 50.0 | 32.8 | 1.10 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-03-21.22 | 2452354.72 | +16.4 | FAST | 3720-7540 | 1.50 | 6-7 | 24.0 | 5.0 | 1.10 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-03-22.33 | 2452355.83 | +17.5 | FAST | 3720-7540 | 1.50 | 6-7 | 49.0 | 75.4 | 1.19 | F34 | 1-2 | 3.0 | 900,720 | MC |
| 2002-04-03.21 | 2452367.71 | +29.1 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 3.8 | 1.09 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002bg** | | | | | | | | | | | | | | |
| 2002-03-06.51 | 2452340.01 | @0.0 | FAST | 3720-7521 | 1.50 | 6-7 | 25.0 | 2.2 | 1.07 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002bi** | | | | | | | | | | | | | | |
| 2002-03-06.50 | 2452340.00 | @0.0 | FAST | 3720-7521 | 1.50 | 6-7 | 45.0 | 0.5 | 1.20 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002bn** | | | | | | | | | | | | | | |
| 2002-03-09.29 | 2452342.79 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 37.0 | 2.8 | 1.10 | F34 | 1-2 | 3.0 | 1200 | VH |
| **SN 2002bo** | | | | | | | | | | | | | | |
| 2002-03-10.26 | 2452343.76 | −13.4 | FAST | 3720-7540 | 1.50 | 6-7 | −37.0 | 8.8 | 1.02 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2002-03-11.23 | 2452344.73 | −12.4 | FAST | 3720-7540 | 1.50 | 6-7 | −54.0 | 4.5 | 1.04 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2002-03-15.25 | 2452348.75 | −8.4 | FAST | 3720-7540 | 1.50 | 6-7 | −14.0 | 10.9 | 1.02 | F34 | 2 | 3.0 | 1200 | MC |
| 2002-03-16.34 | 2452349.84 | −7.3 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 2.8 | 1.13 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-03-17.35 | 2452350.85 | −6.3 | FAST | 3720-7540 | 1.50 | 6-7 | 63.0 | 1.1 | 1.16 | F34 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-03-18.27 | 2452351.77 | −5.4 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 3.6 | 1.02 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-03-19.34 | 2452352.84 | −4.3 | FAST | 3720-7540 | 1.50 | 6-7 | 67.0 | 2.6 | 1.17 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-03-20.26 | 2452353.76 | −3.4 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 9.9 | 1.02 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-03-21.24 | 2452354.74 | −2.4 | FAST | 3720-7540 | 1.50 | 6-7 | −31.0 | 12.2 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-03-22.17 | 2452355.67 | −1.5 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 8.2 | 1.11 | F34 | 1-2 | 3.0 | 2×900 | MC |
| 2002-04-03.19 | 2452367.69 | +10.4 | FAST | 3720-7540 | 1.50 | 6-7 | −38.0 | 8.1 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-04.37 | 2452368.87 | +11.6 | FAST | 3720-7540 | 1.50 | 6-7 | 66.0 | 0.1 | 1.72 | F34 | 1 | 3.0 | 1200 | MC |
| 2002-04-05.23 | 2452369.73 | +12.5 | FAST | 3720-7540 | 1.50 | 6-7 | 40.0 | 2.3 | 1.03 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-04-06.23 | 2452370.73 | +13.5 | FAST | 3720-7540 | 1.50 | 6-7 | 37.0 | 0.8 | 1.03 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-04-07.30 | 2452371.80 | +14.5 | FAST | 3720-7521 | 1.50 | 6-7 | 65.0 | 0.6 | 1.22 | F34 | 3 | 3.0 | 1200 | PBe |
| 2002-04-08.20 | 2452372.70 | +15.4 | FAST | 3720-7521 | 1.50 | 6-7 | −24.0 | 24.1 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-09.20 | 2452373.70 | +16.4 | FAST | 3720-7540 | 1.50 | 6-7 | 3.0 | 14.9 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-10.27 | 2452374.77 | +17.5 | FAST | 3720-7540 | 1.50 | 6-7 | 61.0 | 2.2 | 1.13 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-11.19 | 2452375.69 | +18.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.0 | 1.02 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-12.24 | 2452376.74 | +19.5 | FAST | 3720-7521 | 1.50 | 6-7 | 60.0 | 3.1 | 1.07 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-13.19 | 2452377.69 | +20.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 5.9 | 1.02 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-14.17 | 2452378.67 | +21.4 | FAST | 3720-7521 | 1.50 | 6-7 | −33.0 | 11.3 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-16.32 | 2452380.82 | +23.5 | FAST | 3720-7540 | 1.50 | 6-7 | 66.0 | 0.4 | 1.46 | F34 | 3 | 3.0 | 1200 | MC |
| 2002-04-20.17 | 2452384.67 | +27.4 | FAST | 3720-7521 | 1.50 | 6-7 | 5.0 | 13.1 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-21.13 | 2452385.63 | +28.3 | FAST | 3720-7540 | 1.50 | 6-7 | −46.0 | 6.5 | 1.03 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-22.18 | 2452386.68 | +29.4 | FAST | 3720-7540 | 1.50 | 6-7 | 23.0 | 12.8 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-03.18 | 2452397.68 | +40.3 | FAST | 3720-7540 | 1.50 | 6-7 | 58.0 | 1.0 | 1.07 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-06.18 | 2452400.68 | +43.3 | FAST | 3720-7482 | 1.50 | 6-7 | 58.0 | 2.3 | 1.09 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-08.16 | 2452402.66 | +45.3 | FAST | 3720-7542 | 1.50 | 6-7 | 49.0 | 4.4 | 1.05 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-12.17 | 2452406.67 | +49.3 | FAST | 3720-7521 | 1.50 | 6-7 | 58.0 | 2.4 | 1.09 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-14.17 | 2452408.67 | +51.2 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 1.3 | 1.10 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-17.18 | 2452411.68 | +54.2 | FAST | 3720-9300 | 1.50 | 6-7 | −57.0 | 59.3 | 1.17 | HD84 | 1-2 | 3.0 | 3×1200 | PBe |
| 2002-05-20.14 | 2452414.64 | +57.2 | FAST | 3720-7540 | 1.50 | 6-7 | 58.0 | 1.5 | 1.09 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-04.17 | 2452429.67 | +72.2 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 3.6 | 1.37 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-06-11.15 | 2452436.65 | +79.1 | FAST | 3720-7540 | 1.50 | 6-7 | 68.0 | 1.6 | 1.41 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-01-29.39 | 2452668.89 | +310.4 | MMTblue | 3200-8800 | 2.00 | 7-8 | −12.9 | 15.1 | 1.02 | HD19 | ··· | ··· | 2×1800 | TM |
| **SN 2002br** | | | | | | | | | | | | | | |
| 2002-03-15.27 | 2452348.77 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −21.0 | 10.9 | 1.02 | F34 | 2 | 3.0 | 1200 | MC |
| 2002-04-03.18 | 2452367.68 | @18.3 | FAST | 3720-7540 | 1.50 | 6-7 | −52.0 | 4.1 | 1.06 | F34 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2002bs** | | | | | | | | | | | | | | |
| 2002-04-03.34 | 2452367.84 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −2.0 | 3.3 | 1.45 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-04.39 | 2452368.89 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 3.6 | 1.58 | F34 | 1 | 3.0 | 1200 | MC |
| 2002-04-07.33 | 2452371.83 | @4.0 | FAST | 3720-7521 | 1.50 | 6-7 | 0.0 | 0.7 | 1.45 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-04-09.34 | 2452373.84 | @5.9 | FAST | 3720-7540 | 1.50 | 6-7 | 6.0 | 4.3 | 1.47 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-13.26 | 2452377.76 | @9.8 | FAST | 3720-7540 | 1.50 | 6-7 | −21.0 | 0.1 | 1.54 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-05.17 | 2452399.67 | @31.5 | FAST | 3720-7521 | 1.50 | 6-7 | −25.0 | 3.5 | 1.67 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002bt** | | | | | | | | | | | | | | |
| 2002-04-03.39 | 2452367.89 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 2.9 | 1.24 | F34 | 1-2 | 3.0 | 2×1200 | MC |
| **SN 2002bw** | | | | | | | | | | | | | | |
| 2002-04-04.50 | 2452369.00 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −2.0 | 3.6 | 1.35 | F34 | 1 | 3.0 | 1200 | MC |
| **SN 2002bz** | | | | | | | | | | | | | | |
| 2002-04-05.37 | 2452369.87 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 82.8 | 1.00 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-04-06.36 | 2452370.86 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 47.5 | 1.01 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-04-07.38 | 2452371.88 | @1.9 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 69.7 | 1.00 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-04-08.41 | 2452372.91 | @2.9 | FAST | 3720-7521 | 1.50 | 6-7 | 64.0 | 2.3 | 1.03 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-09.36 | 2452373.86 | @3.8 | FAST | 3720-7540 | 1.50 | 6-7 | −33.0 | 17.1 | 1.00 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-11.47 | 2452375.97 | @5.9 | FAST | 3720-7521 | 1.50 | 6-7 | 73.0 | 1.0 | 1.24 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-14.31 | 2452378.81 | @8.6 | FAST | 3720-7521 | 1.50 | 6-7 | 110.0 | 4.3 | 1.03 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-20.42 | 2452384.92 | @14.5 | FAST | 3720-7521 | 1.50 | 6-7 | 71.0 | 0.9 | 1.12 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-05.35 | 2452399.85 | @28.9 | FAST | 3720-7461 | 1.50 | 6-7 | 70.0 | 0.6 | 1.05 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-13.20 | 2452407.70 | @36.5 | FAST | 3720-7540 | 1.50 | 6-7 | 109.0 | 0.3 | 1.08 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002cc** | | | | | | | | | | | | | | |
| 2002-04-10.19 | 2452374.69 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −39.0 | 10.1 | 1.16 | F34 | 1-2 | 3.0 | 2×1200 | MC |
| **SN 2002cd** | | | | | | | | | | | | | | |
| 2002-04-10.49 | 2452374.99 | −8.6 | FAST | 3720-7540 | 1.50 | 6-7 | 66.0 | 3.0 | 1.27 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-11.48 | 2452375.98 | −7.7 | FAST | 3720-7521 | 1.50 | 6-7 | 66.0 | 0.1 | 1.29 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-12.49 | 2452376.99 | −6.7 | FAST | 3720-7521 | 1.50 | 6-7 | 60.0 | 3.5 | 1.27 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-13.48 | 2452377.98 | −5.7 | FAST | 3720-7521 | 1.50 | 6-7 | 65.0 | 0.1 | 1.28 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-14.49 | 2452378.99 | −4.7 | FAST | 3720-7521 | 1.50 | 6-7 | 62.0 | 3.8 | 1.24 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-15.49 | 2452379.99 | −3.7 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 2.8 | 1.23 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-19.48 | 2452383.98 | +0.3 | FAST | 3720-7521 | 1.50 | 6-7 | 57.0 | 2.9 | 1.25 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-04-21.49 | 2452385.99 | +2.2 | FAST | 3720-7540 | 1.50 | 6-7 | 54.0 | 2.8 | 1.20 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-04-22.49 | 2452386.99 | +3.2 | FAST | 3720-7540 | 1.50 | 6-7 | 52.0 | 2.7 | 1.19 | F34 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-05-04.47 | 2452398.97 | +15.1 | FAST | 3720-7521 | 1.50 | 6-7 | 40.0 | 3.1 | 1.18 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-07.45 | 2452401.95 | +18.0 | FAST | 3720-7540 | 1.50 | 6-7 | 54.0 | 3.6 | 1.20 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-13.47 | 2452407.97 | +24.0 | FAST | 3720-7540 | 1.50 | 6-7 | 33.0 | 3.2 | 1.14 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-05.46 | 2452430.96 | +46.8 | FAST | 3720-7500 | 1.50 | 6-7 | 0.0 | 2.0 | 1.12 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-06-11.45 | 2452436.95 | +52.7 | FAST | 3720-7500 | 1.50 | 6-7 | −10.0 | 1.8 | 1.12 | BD28 | 2 | 3.0 | 1200 | PBe |
| 2002-06-17.45 | 2452442.95 | +58.6 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 7.9 | 1.13 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002cf** | | | | | | | | | | | | | | |
| 2002-04-15.30 | 2452379.80 | −5.4 | FAST | 3720-7540 | 1.50 | 6-7 | 2.0 | 5.3 | 1.28 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002ci** | | | | | | | | | | | | | | |
| 2002-04-21.42 | 2452385.92 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 79.0 | 5.2 | 1.00 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002ck** | | | | | | | | | | | | | | |
| 2002-05-02.46 | 2452396.96 | −0.6 | FAST | 3720-7540 | 1.50 | 6-7 | 32.0 | 11.5 | 1.49 | F34 | 2-3 | 3.0 | 1200 | MC |
| 2002-05-03.34 | 2452397.84 | +0.3 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 0.3 | 1.20 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-05.37 | 2452399.87 | +2.3 | FAST | 3720-7461 | 1.50 | 6-7 | 10.0 | 0.7 | 1.19 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-07.38 | 2452401.88 | +4.2 | FAST | 3720-7540 | 1.50 | 6-7 | 11.0 | 4.9 | 1.21 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-15.29 | 2452409.79 | +11.9 | FAST | 3720-7542 | 1.50 | 6-7 | −19.0 | 1.2 | 1.21 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-19.24 | 2452413.74 | +15.7 | FAST | 3720-7540 | 1.50 | 6-7 | −38.0 | 2.8 | 1.33 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-02.23 | 2452427.73 | +29.3 | FAST | 3720-7540 | 1.50 | 6-7 | −28.0 | 3.4 | 1.24 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-10.26 | 2452435.76 | +37.1 | FAST | 3720-7500 | 1.50 | 6-7 | 0.0 | 4.6 | 1.19 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| **SN 2002cr** | | | | | | | | | | | | | | |
| 2002-05-03.29 | 2452397.79 | −11.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.1 | 1.25 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-06.25 | 2452400.75 | −8.2 | FAST | 3720-7482 | 1.50 | 6-7 | −16.0 | 3.2 | 1.27 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-08.21 | 2452402.71 | −6.3 | FAST | 3720-7542 | 1.50 | 6-7 | −32.0 | 2.7 | 1.37 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-12.19 | 2452406.69 | −2.4 | FAST | 3720-7521 | 1.50 | 6-7 | −35.0 | 2.4 | 1.41 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-15.28 | 2452409.78 | +0.7 | FAST | 3720-7542 | 1.50 | 6-7 | 10.0 | 0.4 | 1.27 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-19.18 | 2452413.68 | +4.6 | FAST | 3720-7540 | 1.50 | 6-7 | −31.0 | 2.5 | 1.36 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-03.16 | 2452428.66 | +19.4 | FAST | 3720-7540 | 1.50 | 6-7 | −24.0 | 3.0 | 1.31 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002cs** | | | | | | | | | | | | | | |
| 2002-05-07.39 | 2452401.89 | −8.5 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 2.8 | 1.11 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-08.47 | 2452402.97 | −7.5 | FAST | 3720-7542 | 1.50 | 6-7 | 2.0 | 9.2 | 1.03 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-11.44 | 2452405.94 | −4.5 | FAST | 3720-7521 | 1.50 | 6-7 | 10.0 | 5.4 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-19.39 | 2452413.89 | +3.3 | FAST | 3720-7540 | 1.50 | 6-7 | 50.0 | 4.7 | 1.05 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-03.34 | 2452428.84 | +18.0 | FAST | 3720-7540 | 1.50 | 6-7 | 55.0 | 4.9 | 1.06 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002cu** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-05-13.46 | 2452407.96 | −8.2 | FAST | 3720-7540 | 1.50 | 6-7 | 82.0 | 1.6 | 1.01 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-05-15.46 | 2452409.96 | −6.3 | FAST | 3720-7542 | 1.50 | 6-7 | 84.0 | 0.5 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-05-18.47 | 2452412.97 | −3.3 | FAST | 3720-7521 | 1.50 | 6-7 | 83.0 | 0.0 | 1.04 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002cx** | | | | | | | | | | | | | | |
| 2002-05-17.23 | 2452411.73 | −4.3 | FAST | 3720-7521 | 1.50 | 6-7 | 5.0 | 5.0 | 1.11 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| 2002-05-20.18 | 2452414.68 | −1.4 | FAST | 3720-7540 | 1.50 | 6-7 | −19.0 | 4.3 | 1.11 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-02.20 | 2452427.70 | +11.3 | FAST | 3720-7540 | 1.50 | 6-7 | 12.0 | 10.7 | 1.13 | F34 | 1-2 | 3.0 | 2×1200 | MC |
| 2002-06-06.18 | 2452431.68 | +15.2 | FAST | 3720-7500 | 1.50 | 6-7 | 10.0 | 4.0 | 1.11 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| 2003-04-02.31 | 2452731.81 | +308.3 | LDSS2 | 3700-9500 | 5.00 | 14-15 | −105.1 | 60.8 | 1.64 | L3218 | ··· | 1.0 | 2×1800 | ··· |
| **SN 2002db** | | | | | | | | | | | | | | |
| 2002-06-01.29 | 2452426.79 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −37.5 | 19.1 | 1.11 | F34 | 2-3 | 3.0 | 2×1200 | MC |
| **SN 2002de** | | | | | | | | | | | | | | |
| 2002-06-02.24 | 2452427.74 | −6.1 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 9.6 | 1.04 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-03.33 | 2452428.83 | −5.0 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 4.4 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-06-04.23 | 2452429.73 | −4.1 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 38.6 | 1.05 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-06-05.41 | 2452430.91 | −3.0 | FAST | 3720-7500 | 1.50 | 5-6 | 55.0 | 28.5 | 1.24 | BD28 | 1-2 | 1.5 | 1200 | PBe |
| 2002-06-06.22 | 2452431.72 | −2.2 | FAST | 3720-7500 | 1.50 | 6-7 | 70.0 | 15.6 | 1.07 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-06-10.28 | 2452435.78 | +1.8 | FAST | 3720-7500 | 1.50 | 6-7 | 0.0 | 41.8 | 1.00 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-06-11.29 | 2452436.79 | +2.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 60.9 | 1.01 | BD28 | 2 | 3.0 | 1200 | PBe |
| 2002-06-12.29 | 2452437.79 | +3.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 67.1 | 1.01 | BD28 | 2 | 3.0 | 1200 | PBe |
| 2002-06-14.19 | 2452439.69 | +5.6 | FAST | 3720-7560 | 1.50 | 6-7 | 90.0 | 2.8 | 1.08 | BD28 | 2 | 3.0 | 1200 | LM |
| 2002-06-17.23 | 2452442.73 | +8.5 | FAST | 3720-7560 | 1.50 | 6-7 | 22.0 | 35.1 | 1.01 | BD28 | 2 | 3.0 | 1200 | PBe |
| 2002-07-06.18 | 2452461.68 | +26.9 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 10.9 | 1.01 | F34 | 1-2 | 3.0 | 1200 | LM |
| **SN 2002df** | | | | | | | | | | | | | | |
| 2002-06-04.46 | 2452429.96 | @0.0 | FAST | 3720-7521 | 1.50 | 5-6 | −5.0 | 3.0 | 1.25 | BD28 | 1-2 | 1.5 | 1200 | PBe |
| **SN 2002di** | | | | | | | | | | | | | | |
| 2002-06-12.33 | 2452437.83 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 81.4 | 1.02 | BD28 | 2 | 3.0 | 2×1200 | PBe |
| **SN 2002dj** | | | | | | | | | | | | | | |
| 2002-06-14.17 | 2452439.67 | −11.4 | FAST | 3660-7590 | 1.47 | 6-7 | 10.0 | 3.3 | 1.64 | F34 | 2 | 3.0 | 1200 | LM |
| 2002-06-15.17 | 2452440.67 | −10.4 | FAST | 3720-7581 | 1.50 | 6-7 | 8.0 | 6.7 | 1.66 | F34 | 2 | 3.0 | 1200 | LM |
| 2002-06-17.17 | 2452442.67 | −8.4 | FAST | 3720-7581 | 1.50 | 6-7 | 18.0 | 0.2 | 1.69 | BD28 | 2 | 3.0 | 1200 | PBe |
| 2002-06-18.17 | 2452443.67 | −7.4 | FAST | 3720-7560 | 1.50 | 6-7 | 17.0 | 1.2 | 1.69 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-06-19.18 | 2452444.68 | −6.4 | FAST | 3720-7560 | 1.50 | 6-7 | 19.0 | 3.9 | 1.76 | BD28 | 1-2 | 3.0 | 1200 | JC, MH |
| 2002-07-05.18 | 2452460.68 | +9.5 | FAST | 3720-7540 | 1.50 | 6-7 | 34.0 | 1.6 | 2.16 | F34 | 1-2 | 3.0 | 1200 | LM |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-07-12.17 | 2452467.67 | +16.4 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 3.3 | 2.33 | BD28 | 2 | 3.0 | 1200 | MC |
| **SN 2002dk** | | | | | | | | | | | | | | |
| 2002-06-15.35 | 2452440.85 | @0.0 | FAST | 3720-7581 | 1.50 | 6-7 | 0.0 | 5.6 | 1.01 | F34 | 2 | 3.0 | 1200 | LM |
| 2002-06-18.43 | 2452443.93 | @3.0 | FAST | 3720-7560 | 1.50 | 6-7 | 64.0 | 1.1 | 1.17 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002dl** | | | | | | | | | | | | | | |
| 2002-06-18.44 | 2452443.94 | −8.4 | FAST | 3720-7560 | 1.50 | 6-7 | 100.0 | 9.1 | 1.05 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-06-19.45 | 2452444.95 | −7.4 | FAST | 3720-7540 | 1.50 | 6-7 | 84.0 | 4.1 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | JC, MH |
| 2002-06-20.41 | 2452445.91 | −6.5 | FAST | 3720-7560 | 1.50 | 6-7 | 95.0 | 0.0 | 1.11 | BD28 | 1-2 | 3.0 | 1200 | MH, JC |
| 2002-07-07.43 | 2452462.93 | +10.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 11.9 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002do** | | | | | | | | | | | | | | |
| 2002-06-19.43 | 2452444.93 | +2.0 | FAST | 3720-7540 | 1.50 | 6-7 | −46.0 | 8.3 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | JC, MH |
| 2002-07-04.39 | 2452459.89 | +16.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 35.6 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | LM |
| 2002-07-06.20 | 2452461.70 | +18.5 | FAST | 3720-7540 | 1.50 | 6-7 | 98.0 | 1.5 | 1.39 | F34 | 1-2 | 3.0 | 1200 | LM |
| 2002-07-10.33 | 2452465.83 | +22.6 | FAST | 3720-7540 | 1.50 | 6-7 | 26.0 | 13.3 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-07-18.29 | 2452473.79 | +30.4 | FAST | 3720-7540 | 1.50 | 6-7 | 53.0 | 6.8 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002dp** | | | | | | | | | | | | | | |
| 2002-06-20.47 | 2452445.97 | −4.8 | FAST | 3720-7560 | 1.50 | 6-7 | −55.0 | 6.7 | 1.09 | BD28 | 1-2 | 3.0 | 1200 | MH, JC |
| 2002-07-02.45 | 2452457.95 | +7.1 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 7.8 | 1.06 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-07-05.43 | 2452460.93 | +10.0 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 7.2 | 1.11 | F34 | 1-2 | 3.0 | 1200 | LM |
| 2002-07-08.44 | 2452463.94 | +13.0 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 5.3 | 1.05 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-07-12.41 | 2452467.91 | +16.9 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 7.3 | 1.10 | BD28 | 1-2 | 3.0 | 840 | MC |
| 2002-07-18.47 | 2452473.97 | +22.9 | FAST | 3720-7540 | 1.50 | 6-7 | 1.0 | 14.8 | 1.01 | BD28 | 1-2 | 3.0 | 960 | MC |
| 2002-08-01.42 | 2452487.92 | +36.7 | FAST | 3720-7540 | 1.50 | 6-7 | −32.0 | 12.5 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002ef** | | | | | | | | | | | | | | |
| 2002-08-01.44 | 2452487.94 | −2.9 | FAST | 3720-7540 | 1.50 | 6-7 | −7.0 | 3.7 | 1.42 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002er** | | | | | | | | | | | | | | |
| 2002-09-04.12 | 2452521.62 | −3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 0.8 | 1.15 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2002-09-12.11 | 2452529.61 | +4.1 | FAST | 3720-7540 | 1.50 | 6-7 | 34.0 | 3.6 | 1.17 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002es** | | | | | | | | | | | | | | |
| 2002-09-03.45 | 2452520.95 | +2.1 | FAST | 3720-7540 | 1.50 | 6-7 | 68.0 | 1.8 | 1.05 | F25 | 2-3 | 3.0 | 1200 | PBe |
| 2002-09-05.50 | 2452523.00 | +4.1 | FAST | 3720-7540 | 1.50 | 6-7 | 2.0 | 15.5 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-06.49 | 2452523.99 | +5.1 | FAST | 3720-7540 | 1.50 | 6-7 | 17.0 | 15.7 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-10.46 | 2452527.96 | +9.0 | FAST | 3720-7540 | 1.50 | 6-7 | 38.0 | 5.4 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-09-12.46 | 2452529.96 | +11.0 | FAST | 3720-7540 | 1.50 | 6-7 | 47.0 | 10.7 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-09-28.43 | 2452545.93 | +26.6 | FAST | 3720-7540 | 1.50 | 6-7 | 26.0 | 13.9 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002et** | | | | | | | | | | | | | | |
| 2002-09-06.30 | 2452523.80 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 32.0 | 2.2 | 2.61 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002eu** | | | | | | | | | | | | | | |
| 2002-09-03.46 | 2452520.96 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 3.6 | 1.01 | F25 | 2-3 | 3.0 | 1200 | PBe |
| 2002-09-05.49 | 2452522.99 | +3.0 | FAST | 3720-7540 | 1.50 | 6-7 | 91.0 | 3.1 | 1.04 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-07.49 | 2452524.99 | +5.0 | FAST | 3720-7540 | 1.50 | 6-7 | 87.0 | 0.5 | 1.06 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-10.40 | 2452527.90 | +7.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 9.5 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-09-13.40 | 2452530.90 | +10.7 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 17.4 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-29.37 | 2452546.87 | +26.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 47.6 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-11-04.34 | 2452582.84 | +60.7 | MMTblue | 3160-8900 | 2.00 | 9-10 | 87.0 | 17.5 | 1.09 | BD28 | ··· | ··· | 3×1800 | TM, JC |
| **SN 2002ey** | | | | | | | | | | | | | | |
| 2002-09-06.32 | 2452523.82 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 7.1 | 1.10 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-10.32 | 2452527.82 | @3.9 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 10.1 | 1.10 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-09-13.29 | 2452530.79 | @6.7 | FAST | 3720-7540 | 1.50 | 6-7 | −12.0 | 5.3 | 1.10 | BD28 | 1-2 | 3.0 | 2×1200 | MC |
| 2002-11-04.28 | 2452582.78 | @56.8 | MMTblue | 3162-8900 | 2.00 | 9-10 | 51.9 | 5.3 | 1.51 | BD28 | ··· | ··· | 2×1800 | TM, JC |
| **SN 2002fb** | | | | | | | | | | | | | | |
| 2002-09-07.51 | 2452525.01 | −4.6 | FAST | 3720-7540 | 1.50 | 6-7 | 96.0 | 2.8 | 1.09 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-09.43 | 2452526.93 | −2.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 83.7 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-09-12.44 | 2452529.94 | +0.3 | FAST | 3720-7540 | 1.50 | 6-7 | −39.0 | 14.9 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-09-29.42 | 2452546.92 | +17.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 13.8 | 1.03 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-10-05.37 | 2452552.87 | +22.9 | FAST | 3720-7540 | 1.50 | 6-7 | −14.0 | 25.2 | 1.01 | BD28 | 1 | 3.0 | 1200 | MC |
| 2002-10-09.34 | 2452556.84 | +26.8 | FAST | 3720-7540 | 1.50 | 6-7 | 54.0 | 46.1 | 1.00 | BD28 | 1-2 | 3.0 | 1200 | NC |
| 2002-11-04.41 | 2452582.91 | +52.5 | MMTblue | 3160-8900 | 2.00 | 9-10 | 83.6 | 10.4 | 1.33 | BD28 | ··· | ··· | 3×1800 | TM, JC |
| **SN 2002fk** | | | | | | | | | | | | | | |
| 2002-09-27.46 | 2452544.96 | −3.5 | FAST | 3720-7540 | 1.50 | 6-7 | 7.0 | 4.3 | 1.49 | BD28 | 1-2 | 3.0 | 510 | MC |
| 2002-09-29.44 | 2452546.94 | −1.5 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 8.5 | 1.47 | BD28 | 1-2 | 3.0 | 2×1200 | PBe |
| 2002-10-03.45 | 2452550.95 | +2.5 | FAST | 3720-7540 | 1.50 | 6-7 | 11.0 | 3.3 | 1.51 | BD28 | 2 | 3.0 | 1200 | MC |
| 2002-10-05.42 | 2452552.92 | +4.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.7 | 1.47 | BD28 | 1 | 3.0 | 1200 | MC |
| 2002-10-07.45 | 2452554.95 | +6.5 | FAST | 3720-7540 | 1.50 | 6-7 | 18.0 | 0.2 | 1.54 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-10-08.40 | 2452555.90 | +7.4 | FAST | 3720-7540 | 1.50 | 6-7 | −3.0 | 0.5 | 1.47 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-10-09.36 | 2452556.86 | +8.3 | FAST | 3720-7540 | 1.50 | 6-7 | −22.0 | 5.7 | 1.53 | BD28 | 1-2 | 3.0 | 1200 | NC |
| 2002-10-10.43 | 2452557.93 | +9.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 12.9 | 1.50 | BD28 | 1-2 | 3.0 | 1200 | NC |
| 2002-10-31.32 | 2452578.82 | +30.1 | FAST | 3720-7500 | 1.50 | 6-7 | 90.0 | 79.7 | 1.49 | BD28 | 1-2 | 3.0 | 1200 | IG |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-11-03.37 | 2452581.87 | +33.2 | MMTblue | 3200-8850 | 2.00 | 9-10 | 8.0 | 2.5 | 1.50 | BD28 | ··· | ··· | 2×1800 | TM, JC |
| 2002-11-07.30 | 2452585.80 | +37.1 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 2.1 | 1.50 | BD28 | 1-2 | 3.0 | 1200 | LM |
| 2002-11-12.36 | 2452590.86 | +42.1 | FAST | 3720-7540 | 1.50 | 6-7 | 18.0 | 2.4 | 1.56 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-11-14.27 | 2452592.77 | +44.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 13.3 | 1.51 | BD28 | 1 | 3.0 | 1200 | MC |
| 2002-12-04.27 | 2452612.77 | +63.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 6.9 | 1.48 | F34 | 2-3 | 3.0 | 1200 | PBe |
| 2002-12-08.29 | 2452616.79 | +67.8 | FAST | 3720-7540 | 1.50 | 6-7 | 16.0 | 2.6 | 1.55 | F34 | 1 | 3.0 | 1200 | MC |
| 2002-12-12.19 | 2452620.69 | +71.7 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 2.9 | 1.53 | F34 | 2 | 3.0 | 1200 | MC |
| 2002-12-26.27 | 2452634.77 | +85.7 | FAST | 3720-7540 | 1.50 | 6-7 | 29.0 | 2.7 | 1.76 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-12-28.25 | 2452636.75 | +87.6 | FAST | 3720-7540 | 1.50 | 6-7 | 25.0 | 2.6 | 1.67 | F34 | 2 | 3.0 | 1200 | PBe |
| 2003-01-01.21 | 2452640.71 | +91.6 | FAST | 3720-7540 | 1.50 | 6-7 | 12.0 | 3.6 | 1.52 | F34 | 2 | 3.0 | 1200 | MC |
| 2003-01-04.17 | 2452643.67 | +94.5 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 17.9 | 1.47 | F34 | 2 | 3.0 | 1200 | ACo |
| 2003-01-06.16 | 2452645.66 | +96.5 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 3.6 | 1.47 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-01-12.19 | 2452651.69 | +102.5 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 3.6 | 1.55 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-01-29.22 | 2452668.72 | +119.4 | MMTblue | 3200-8800 | 2.00 | 7-8 | 41.4 | 3.1 | 2.36 | F34 | ··· | ··· | 2×1200 | TM |
| 2003-01-29.11 | 2452668.61 | +119.3 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 0.5 | 1.47 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002ha** | | | | | | | | | | | | | | |
| 2002-10-29.13 | 2452576.63 | −4.2 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 1.1 | 1.26 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-11-04.11 | 2452582.61 | +1.7 | MMTblue | 3160-8900 | 2.00 | 9-10 | 26.6 | 1.9 | 1.25 | BD28 | ··· | ··· | 2×1200 | TM, JC |
| 2002-11-08.09 | 2452586.59 | +5.6 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 4.2 | 1.23 | BD28 | 1-2 | 3.0 | 1200 | LM |
| 2002-11-12.08 | 2452590.58 | +9.6 | FAST | 3720-7540 | 1.50 | 6-7 | 22.0 | 4.2 | 1.23 | BD28 | 2-3 | 3.0 | 1200 | MC |
| 2002-12-05.09 | 2452613.59 | +32.2 | FAST | 3720-7540 | 1.50 | 6-7 | 48.0 | 0.4 | 1.62 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-12-08.13 | 2452616.63 | +35.2 | FAST | 3720-7540 | 1.50 | 6-7 | 54.0 | 0.7 | 2.36 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2002hd** | | | | | | | | | | | | | | |
| 2002-10-29.52 | 2452577.02 | +1.4 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 5.9 | 1.38 | BD28 | 1-2 | 3.0 | 1200 | PBe, IG |
| 2002-11-09.51 | 2452588.01 | +12.0 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 1.2 | 1.32 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2002-11-13.51 | 2452592.01 | +15.8 | FAST | 3720-7540 | 1.50 | 6-7 | −17.0 | 3.5 | 1.31 | F34 | 1 | 3.0 | 1200 | MC |
| **SN 2002he** | | | | | | | | | | | | | | |
| 2002-10-30.48 | 2452577.98 | −8.1 | FAST | 3720-7500 | 1.50 | 6-7 | −20.0 | 57.4 | 1.22 | BD28 | 1-2 | 3.0 | 1200 | IG |
| 2002-11-04.50 | 2452583.00 | −3.2 | MMTblue | 3160-8900 | 2.00 | 9-10 | −150.9 | 3.0 | 1.19 | BD28 | ··· | ··· | 2×1800 | TM |
| 2002-11-11.52 | 2452590.02 | +3.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.5 | 1.17 | BD28 | 3 | 3.0 | 1200 | PBe |
| 2002-11-13.53 | 2452592.03 | +5.6 | FAST | 3720-7540 | 1.50 | 6-7 | −6.0 | 4.1 | 1.17 | F34 | 1 | 3.0 | 1200 | MC |
| 2002-12-13.47 | 2452621.97 | +34.9 | FAST | 3720-7540 | 1.50 | 6-7 | −14.0 | 9.1 | 1.19 | F34 | 1 | 3.0 | 2×1200 | MC |
| **SN 2002hu** | | | | | | | | | | | | | | |
| 2002-11-08.41 | 2452586.91 | −5.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 6.8 | 1.31 | BD28 | 1-2 | 3.0 | 1200 | LM |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-11-10.31 | 2452588.81 | −3.5 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 64.9 | 1.02 | BD28 | 1-2 | 3.0 | 1200,720 | PBe |
| 2002-11-13.25 | 2452591.75 | −0.7 | FAST | 3720-7540 | 1.50 | 6-7 | 44.0 | 15.2 | 1.01 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-12-06.29 | 2452614.79 | +21.5 | FAST | 3720-7540 | 1.50 | 6-7 | 96.0 | 3.7 | 1.13 | BD28 | 1-2 | 3.0 | 2×1020 | MC |
| 2003-01-29.18 | 2452668.68 | +73.5 | MMTblue | 3200-8800 | 2.00 | 7-8 | 87.0 | 11.1 | 1.27 | HD19 | ··· | ··· | 2×1800 | TM |
| **SN 2002hv** | | | | | | | | | | | | | | |
| 2002-11-09.49 | 2452587.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 1.2 | 1.07 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002hw** | | | | | | | | | | | | | | |
| 2002-11-11.20 | 2452589.70 | −6.0 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 0.4 | 1.10 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2002-11-12.10 | 2452590.60 | −5.2 | FAST | 3720-7540 | 1.50 | 6-7 | −45.0 | 2.0 | 1.20 | BD28 | 2-3 | 3.0 | 1200 | MC |
| 2002-11-14.10 | 2452592.60 | −3.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 42.9 | 1.20 | BD28 | 1 | 3.0 | 1200 | MC |
| 2002-12-05.12 | 2452613.62 | +17.5 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 1.8 | 1.09 | F34 | 2 | 3.0 | 1200 | PBe |
| 2002-12-08.15 | 2452616.65 | +20.4 | FAST | 3720-7540 | 1.50 | 6-7 | 27.0 | 4.4 | 1.13 | F34 | 1 | 3.0 | 1200 | MC |
| **SN 2002jg** | | | | | | | | | | | | | | |
| 2002-11-28.09 | 2452606.59 | −3.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 74.0 | 1.02 | BD28 | 3 | 3.0 | 1200 | PBe |
| 2002-12-06.17 | 2452614.67 | +4.5 | FAST | 3720-7540 | 1.50 | 6-7 | 75.0 | 0.9 | 1.34 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2002-12-11.14 | 2452619.64 | +9.4 | FAST | 3720-7540 | 1.50 | 6-7 | 75.0 | 0.1 | 1.27 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-12-27.08 | 2452635.58 | +25.1 | FAST | 3720-7540 | 1.50 | 6-7 | 76.0 | 0.2 | 1.22 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2002jm** | | | | | | | | | | | | | | |
| 2002-12-11.49 | 2452619.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 5.3 | 1.28 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| 2002-12-12.48 | 2452620.98 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | −18.0 | 3.5 | 1.28 | F34 | 1 | 3.0 | 1200 | MC |
| 2002-12-16.45 | 2452624.95 | @4.9 | MMTblue | 6100-9000 | 1.00 | 3-4 | −27.2 | 2.7 | 1.33 | H102 | ··· | 1.0 | 1200 | ··· |
| **SN 2002jy** | | | | | | | | | | | | | | |
| 2002-12-26.12 | 2452634.62 | +0.1 | FAST | 3720-7540 | 1.50 | 6-7 | −22.0 | 13.0 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2002-12-27.11 | 2452635.61 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 5.6 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2002-12-29.08 | 2452637.58 | +3.0 | FAST | 3720-7540 | 1.50 | 6-7 | 21.0 | 6.5 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-01-01.10 | 2452640.60 | +6.0 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 14.4 | 1.01 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-01-02.12 | 2452641.62 | +7.0 | FAST | 3720-7540 | 1.50 | 6-7 | −34.0 | 16.5 | 1.03 | F34 | 3 | 3.0 | 2×1020 | ACo, MC |
| 2003-01-03.12 | 2452642.62 | +8.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 55.8 | 1.03 | F34 | 2-3 | 3.0 | 2×1200 | ACo |
| 2003-01-05.11 | 2452644.61 | +9.9 | FAST | 3720-7540 | 1.50 | 6-7 | −36.0 | 11.5 | 1.02 | F34 | 2 | 3.0 | 1200 | ACo |
| 2003-01-11.08 | 2452650.58 | +15.8 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 16.4 | 1.02 | F34 | ··· | 3.0 | 1200 | LM |
| 2003-01-13.10 | 2452652.60 | +17.8 | FAST | 3720-7540 | 1.50 | 6-7 | −57.0 | 6.2 | 1.04 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-01-26.10 | 2452665.60 | +30.5 | FAST | 3720-7540 | 1.50 | 6-7 | 105.0 | 3.4 | 1.10 | F34 | 3 | 3.0 | 1200 | MC |
| 2003-01-29.10 | 2452668.60 | +33.4 | MMTblue | 3200-8800 | 2.00 | 7-8 | 99.0 | 13.1 | 1.14 | F34 | ··· | ··· | 2×900 | TM |
| **SN 2002kf** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002-12-31.34 | 2452639.84 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | −28.0 | 6.2 | 1.07 | F34 | 1 | 3.0 | 1200 | MC |
| 2003-01-01.39 | 2452640.89 | +2.2 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 4.3 | 1.16 | F34 | 3 | 3.0 | 1200 | MC |
| 2003-01-02.35 | 2452641.85 | +3.1 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 79.6 | 1.08 | F34 | 5 | 3.0 | 2×1200 | ACo, MC |
| 2003-01-03.31 | 2452642.81 | +4.1 | FAST | 3720-7540 | 1.50 | 6-7 | 62.0 | 66.9 | 1.05 | F34 | 2 | 3.0 | 1200 | ACo |
| 2003-01-05.30 | 2452644.80 | +6.0 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 9.6 | 1.05 | F34 | 2 | 3.0 | 1200 | ACo |
| 2003-01-07.30 | 2452646.80 | +8.0 | FAST | 3720-7540 | 1.50 | 6-7 | −6.0 | 2.4 | 1.05 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2003-01-11.16 | 2452650.66 | +11.8 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 3.0 | 1.25 | F34 | ··· | 3.0 | 1200 | LM |
| 2003-01-13.31 | 2452652.81 | +13.9 | FAST | 3720-7540 | 1.50 | 6-7 | −26.0 | 6.4 | 1.07 | F34 | 1 | 3.0 | 1200 | MC |
| 2003-01-27.21 | 2452666.71 | +27.5 | FAST | 3720-7540 | 1.50 | 6-7 | 27.0 | 2.1 | 1.06 | F34 | 2-3 | 3.0 | 2×1200 | PBe |
| 2003-01-29.21 | 2452668.71 | +29.5 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 5.8 | 1.06 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-01-29.28 | 2452668.78 | +29.5 | MMTblue | 3200-8800 | 2.00 | 7-8 | 141.0 | 13.2 | 1.08 | F34 | ··· | ··· | 2×900 | TM |
| **SN 2003D** | | | | | | | | | | | | | | |
| 2003-01-12.44 | 2452651.94 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 55.0 | 37.1 | 1.28 | F34 | 1-2 | 3.0 | 1200,600 | MC |
| 2003-01-29.32 | 2452668.82 | @16.5 | MMTblue | 3200-8800 | 2.00 | 7-8 | −22.0 | 5.5 | 1.29 | HD19 | ··· | ··· | 2×900 | TM |
| 2003-01-30.33 | 2452669.83 | @17.5 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 28.4 | 1.26 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003F** | | | | | | | | | | | | | | |
| 2003-01-10.22 | 2452649.72 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 0.3 | 1.03 | BD28 | ··· | 3.0 | 1200 | LM |
| 2003-01-29.26 | 2452668.76 | @18.7 | MMTblue | 3200-8800 | 2.00 | 7-8 | 55.2 | 8.9 | 1.16 | F34 | ··· | ··· | 2×600 | TM |
| **SN 2003K** | | | | | | | | | | | | | | |
| 2003-01-30.55 | 2452670.05 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 26.0 | 3.5 | 1.26 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003M** | | | | | | | | | | | | | | |
| 2003-01-26.39 | 2452665.89 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 7.1 | 1.13 | F34 | 2-3 | 3.0 | 1200 | MC |
| 2003-01-27.47 | 2452666.97 | @1.1 | FAST | 3720-7521 | 1.50 | 6-7 | 0.0 | 3.2 | 1.02 | F34 | 1-2 | 3.0 | 2×1200 | PBe |
| 2003-01-29.51 | 2452669.01 | @3.0 | MMTblue | 3200-8800 | 2.00 | 7-8 | 46.7 | 10.3 | 1.05 | F34 | ··· | ··· | 2×900 | TM |
| **SN 2003S** | | | | | | | | | | | | | | |
| 2003-01-27.49 | 2452666.99 | @0.0 | FAST | 3720-7521 | 1.50 | 6-7 | 25.0 | 3.1 | 1.11 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2003U** | | | | | | | | | | | | | | |
| 2003-01-29.53 | 2452669.03 | −8.5 | MMTblue | 3200-8800 | 2.00 | 7-8 | −107.5 | 3.3 | 1.40 | HD19 | ··· | ··· | 2×600 | TM |
| 2003-02-01.55 | 2452672.05 | −5.6 | FAST | 3720-7540 | 1.50 | 6-7 | 66.0 | 3.3 | 1.33 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-02-06.55 | 2452677.05 | −0.7 | FAST | 3720-7540 | 1.50 | 6-7 | 57.0 | 2.7 | 1.27 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003W** | | | | | | | | | | | | | | |
| 2003-01-29.35 | 2452668.85 | −11.1 | MMTblue | 3200-8800 | 2.00 | 7-8 | −22.8 | 8.9 | 1.04 | HD19 | ··· | ··· | 2×600 | TM |
| 2003-01-30.31 | 2452669.81 | −10.2 | FAST | 3720-7540 | 1.50 | 6-7 | −46.0 | 4.1 | 1.08 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-01-31.39 | 2452670.89 | −9.1 | FAST | 3720-7540 | 1.50 | 6-7 | 33.0 | 3.9 | 1.05 | F34 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-02-01.35 | 2452671.85 | −8.2 | FAST | 3720-7540 | 1.50 | 6-7 | −25.0 | 16.6 | 1.04 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-02-02.30 | 2452672.80 | −7.3 | FAST | 3720-7540 | 1.50 | 6-7 | −44.0 | 0.1 | 1.09 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-02-03.33 | 2452673.83 | −6.3 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 7.9 | 1.05 | F34 | 2-3 | 3.0 | 1200 | PBe |
| 2003-02-04.27 | 2452674.77 | −5.3 | FAST | 3720-7540 | 1.50 | 6-7 | −45.0 | 8.2 | 1.15 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-02-06.32 | 2452676.82 | −3.3 | FAST | 3720-7540 | 1.50 | 6-7 | −29.0 | 7.4 | 1.05 | F34 | 2 | 3.0 | 1200 | MC |
| 2003-02-07.40 | 2452677.90 | −2.3 | FAST | 3720-7540 | 1.50 | 6-7 | 44.0 | 3.1 | 1.10 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-02-09.35 | 2452679.85 | −0.4 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 8.6 | 1.04 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-02-10.35 | 2452680.85 | +0.6 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 2.9 | 1.05 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-03-03.37 | 2452701.87 | +21.2 | FAST | 3720-7440 | 1.50 | 6-7 | 55.0 | 2.5 | 1.23 | F34 | 3-4 | 3.0 | 1200 | MW, MC |
| 2003-03-07.28 | 2452705.78 | +25.1 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 3.1 | 1.04 | F34 | 2 | 3.0 | 1200 | PBe |
| 2003-03-10.28 | 2452708.78 | +28.0 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 7.8 | 1.05 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-03-12.27 | 2452710.77 | +29.9 | FAST | 3720-7540 | 1.50 | 6-7 | 19.0 | 7.0 | 1.05 | BD33 | 1-2 | 3.0 | 1200 | MC |
| 2003-03-26.31 | 2452724.81 | +43.7 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 1.9 | 1.25 | F34 | 1-2 | 3.0 | 1200 | LM |
| 2003-03-31.19 | 2452729.69 | +48.5 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.2 | 1.04 | F34 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2003Y** | | | | | | | | | | | | | | |
| 2003-01-31.35 | 2452670.85 | −6.3 | FAST | 3720-7540 | 1.50 | 6-7 | −25.0 | 3.5 | 1.12 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-02-01.33 | 2452671.83 | −5.3 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 7.6 | 1.11 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-02-03.31 | 2452673.81 | −3.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.6 | 1.11 | F34 | 2-3 | 3.0 | 1200 | PBe |
| **SN 2003ae** | | | | | | | | | | | | | | |
| 2003-02-06.30 | 2452676.80 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 10.0 | 1.01 | F34 | 2 | 3.0 | 1200 | MC |
| 2003-02-07.38 | 2452677.88 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 1.4 | 1.05 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-02-09.37 | 2452679.87 | @3.0 | FAST | 3720-7540 | 1.50 | 6-7 | 72.0 | 1.7 | 1.04 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-02-10.34 | 2452680.84 | @3.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 37.1 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-03-10.26 | 2452708.76 | @30.9 | FAST | 3720-7540 | 1.50 | 6-7 | 37.0 | 14.7 | 1.01 | F34 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003af** | | | | | | | | | | | | | | |
| 2003-02-09.39 | 2452679.89 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 12.8 | 1.01 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-03-29.38 | 2452727.88 | @47.0 | MMTblue | 3200-8200 | 2.00 | 9-10 | 67.8 | 8.9 | 1.27 | F34 | ··· | ··· | 1200 | PC |
| **SN 2003ag** | | | | | | | | | | | | | | |
| 2003-02-09.41 | 2452679.91 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.3 | 1.15 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-03-29.35 | 2452727.85 | @46.9 | MMTblue | 3200-8200 | 2.00 | 9-10 | 37.2 | 3.8 | 1.32 | F34 | ··· | ··· | 2×1200 | PC |
| **SN 2003ai** | | | | | | | | | | | | | | |
| 2003-02-10.40 | 2452680.90 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 75.0 | 0.8 | 1.08 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-03-29.40 | 2452727.90 | @45.4 | MMTblue | 3200-8200 | 2.00 | 9-10 | 110.9 | 19.7 | 1.06 | F34 | ··· | ··· | 1200 | PC |
| **SN 2003ar** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-02-22.51 | 2452693.01 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 1.4 | 1.30 | F34 | 1-2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 2003bt** | | | | | | | | |
| 2003-03-11.27 | 2452709.77 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 3.7 | 1.33 | F34 | 1-2 | 3.0 | 1200 | MC |
| | | | | | | **SN 2003cg** | | | | | | | | |
| 2003-03-25.24 | 2452723.74 | −6.1 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 0.2 | 1.14 | H600 | 1-2 | 3.0 | 1200 | LM |
| 2003-03-26.30 | 2452724.80 | −5.1 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 5.4 | 1.23 | F34 | 1-2 | 3.0 | 1200 | LM |
| 2003-03-27.27 | 2452725.77 | −4.1 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 4.2 | 1.17 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-03-28.26 | 2452726.76 | −3.1 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 3.6 | 1.17 | F34 | 2-3 | 3.0 | 1200 | MC |
| 2003-03-29.27 | 2452727.77 | −2.1 | MMTblue | 3200-8234 | 2.00 | 9-10 | 22.8 | 1.2 | 1.19 | F34 | ··· | ··· | 4×1200 | PC |
| 2003-03-29.29 | 2452727.79 | −2.1 | FAST | 3720-7540 | 1.50 | 6-7 | 32.0 | 4.3 | 1.24 | F34 | 5 | 3.0 | 2×900 | MC |
| 2003-03-30.23 | 2452728.73 | −1.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.8 | 1.14 | F34 | 4-5 | 3.0 | 1200 | PBe |
| 2003-03-31.21 | 2452729.71 | −0.2 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 4.7 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-04-01.22 | 2452730.72 | +0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 0.5 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-04-02.17 | 2452731.67 | +1.8 | LDSS2 | 3700-9500 | 5.00 | 14-15 | −104.4 | 58.9 | 1.52 | F67 | ··· | 1.0 | 3×600 | ··· |
| 2003-04-02.33 | 2452731.83 | +1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 49.0 | 1.2 | 1.54 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-04-03.18 | 2452732.68 | +2.8 | FAST | 3720-7540 | 1.50 | 6-7 | −23.0 | 4.3 | 1.15 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-04-07.19 | 2452736.69 | +6.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 7.3 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-04-08.17 | 2452737.67 | +7.7 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 21.6 | 1.15 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-09.23 | 2452738.73 | +8.8 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 1.0 | 1.16 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-10.20 | 2452739.70 | +9.8 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 5.2 | 1.14 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-11.23 | 2452740.73 | +10.8 | FAST | 3720-7540 | 1.50 | 6-7 | 24.0 | 3.3 | 1.18 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-27.18 | 2452756.68 | +26.7 | FAST | 3720-7540 | 1.50 | 6-7 | 25.0 | 1.7 | 1.17 | F34 | 1.5 | 3.0 | 1200 | PBe |
| | | | | | | **SN 2003ch** | | | | | | | | |
| 2003-03-25.16 | 2452723.66 | −2.1 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 4.5 | 1.13 | H600 | 1-2 | 3.0 | 1200 | LM |
| 2003-03-27.13 | 2452725.63 | −0.2 | FAST | 3720-7540 | 1.50 | 6-7 | 12.0 | 6.1 | 1.09 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-03-28.14 | 2452726.64 | +0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 27.4 | 1.11 | F34 | 2-3 | 3.0 | 2×1200 | MC |
| 2003-03-29.11 | 2452727.61 | +1.8 | MMTblue | 3200-9300 | 2.00 | 9-10 | 9.8 | 0.7 | 1.08 | F34 | ··· | ··· | 2×900 | PC |
| 2003-03-29.17 | 2452727.67 | +1.8 | FAST | 3720-7540 | 1.50 | 6-7 | 50.0 | 6.0 | 1.19 | F34 | ··· | 3.0 | 2×1200 | MC |
| 2003-03-30.16 | 2452728.66 | +2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 3.1 | 1.17 | F34 | 4-5 | 3.0 | 1200 | PBe |
| 2003-03-31.15 | 2452729.65 | +3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 43.0 | 2.6 | 1.16 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-04-01.17 | 2452730.67 | +4.7 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 1.0 | 1.21 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-04-02.03 | 2452731.53 | +5.6 | LDSS2 | 3700-9500 | 5.00 | 14-15 | −89.4 | 56.9 | 1.45 | F67 | ··· | 1.0 | 2×1200 | ··· |
| 2003-04-03.16 | 2452732.66 | +6.7 | FAST | 3720-7540 | 1.50 | 6-7 | 42.0 | 2.9 | 1.20 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-04-10.17 | 2452739.67 | +13.5 | FAST | 3720-7540 | 1.50 | 6-7 | 50.0 | 2.1 | 1.33 | F34 | 1-2 | 3.0 | 1200 | VH |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-04-11.18 | 2452740.68 | +14.5 | FAST | 3720-7540 | 1.50 | 6-7 | 53.0 | 1.8 | 1.44 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-28.15 | 2452757.65 | +31.1 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 3.5 | 1.56 | F34 | 1.5 | 3.0 | 1200 | PBe |
| | | | | | | **SN 2003cq** | | | | | | | | |
| 2003-04-03.28 | 2452732.78 | −5.8 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 9.6 | 1.14 | F34 | 2-3 | 3.0 | 2×1200 | MC |
| 2003-04-07.36 | 2452736.86 | −1.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 34.6 | 1.26 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-04-08.26 | 2452737.76 | −0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 15.5 | 1.14 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-09.25 | 2452738.75 | +0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 11.5 | 1.14 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-10.22 | 2452739.72 | +1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 28.0 | 5.0 | 1.16 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-11.25 | 2452740.75 | +2.0 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 5.6 | 1.14 | F34 | 1-2 | 3.0 | 1200 | VH |
| 2003-04-27.22 | 2452756.72 | +17.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 6.9 | 1.14 | F34 | 1.5 | 3.0 | 2×1200 | PBe |
| 2003-05-09.15 | 2452768.65 | +29.0 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 2.7 | 1.15 | F34 | 1-2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 2003de** | | | | | | | | |
| 2003-04-08.23 | 2452737.73 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 85.7 | 1.02 | F34 | 1-2 | 3.0 | 1200 | VH |
| | | | | | | **SN 2003dt** | | | | | | | | |
| 2003-05-05.46 | 2452764.96 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 48.3 | 1.40 | BD28 | 3 | 3.0 | 1200 | JHuc |
| | | | | | | **SN 2003du** | | | | | | | | |
| 2003-04-24.32 | 2452753.82 | −12.7 | FAST | 3720-7540 | 1.50 | 6-7 | 11.0 | 5.2 | 1.13 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-04-26.34 | 2452755.84 | −10.7 | FAST | 3720-7540 | 1.50 | 6-7 | −4.0 | 5.2 | 1.13 | F34 | 1.5 | 3.0 | 1200 | MC |
| 2003-04-27.24 | 2452756.74 | −9.8 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 0.5 | 1.19 | F34 | 1.5 | 3.0 | 1200 | PBe |
| 2003-04-28.24 | 2452757.74 | −8.9 | FAST | 3720-7540 | 1.50 | 6-7 | 45.0 | 0.2 | 1.19 | F34 | 1.5 | 3.0 | 1200 | PBe |
| 2003-05-05.30 | 2452764.80 | −1.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 86.2 | 1.13 | BD28 | 3 | 3.0 | 1200 | JHuc |
| 2003-05-08.30 | 2452767.80 | +1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 6.3 | 1.13 | F34 | 1.9 | 3.0 | 1200 | MC |
| 2003-05-09.29 | 2452768.79 | +2.1 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.2 | 1.13 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-05-23.22 | 2452782.72 | +16.0 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 1.0 | 1.14 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-05-25.21 | 2452784.71 | +17.9 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 2.6 | 1.14 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-05-26.27 | 2452785.77 | +19.0 | FAST | 3720-7540 | 1.50 | 6-7 | −14.0 | 4.8 | 1.14 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-05-28.29 | 2452787.79 | +21.0 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 3.6 | 1.16 | F34 | ··· | 3.0 | 1200 | MC |
| 2003-05-30.24 | 2452789.74 | +22.9 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 0.3 | 1.13 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-01.30 | 2452791.80 | +25.0 | FAST | 3720-7540 | 1.50 | 6-7 | −44.0 | 4.2 | 1.20 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-06-04.35 | 2452794.85 | +28.0 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 2.1 | 1.36 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-09.23 | 2452799.73 | +32.9 | MMTred | 4150-7600 | 3.00 | 11-13 | 167.7 | 5.7 | 1.13 | BD26 | ··· | ··· | 900 | ··· |
| 2003-06-09.29 | 2452799.79 | +32.9 | FAST | 3720-7540 | 1.50 | 6-7 | −47.0 | 4.1 | 1.22 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2003-06-25.22 | 2452815.72 | +48.8 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 1.4 | 1.18 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-27.28 | 2452817.78 | +50.8 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 0.1 | 1.34 | BD28 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-07-02.16 | 2452822.66 | +55.7 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 4.7 | 1.13 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2003-07-05.21 | 2452825.71 | +58.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 21.6 | 1.20 | BD28 | 1-2 | 3.0 | 1200 | MH |
| 2003-07-05.28 | 2452825.78 | +58.8 | MMTblue | 3200-8200 | 2.00 | 5-6 | 104.1 | 1.8 | 1.43 | BD28 | ··· | ··· | 2×900 | PC |
| 2003-07-06.19 | 2452826.69 | +59.7 | FAST | 3720-7540 | 1.50 | 6-7 | −32.0 | 5.7 | 1.17 | BD28 | 1-2 | 3.0 | 1200 | MH |
| 2003-07-07.26 | 2452827.76 | +60.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 2.0 | 1.36 | BD28 | 1-2 | 3.0 | 1200 | MH |
| **SN 2003eh** | | | | | | | | | | | | | | |
| 2003-05-21.18 | 2452780.68 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 33.0 | 2.6 | 1.23 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-05-22.15 | 2452781.65 | @0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 19.0 | 3.9 | 1.17 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2003-05-23.17 | 2452782.67 | @1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 36.0 | 0.3 | 1.24 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-05-26.18 | 2452785.68 | @4.9 | FAST | 3720-7540 | 1.50 | 6-7 | 38.0 | 2.5 | 1.29 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-05-28.17 | 2452787.67 | @6.8 | FAST | 3720-7540 | 1.50 | 6-7 | 37.0 | 2.5 | 1.28 | F34 | ··· | 3.0 | 1200 | MC |
| 2003-06-01.16 | 2452791.66 | @10.7 | FAST | 3720-7540 | 1.50 | 6-7 | 38.0 | 3.6 | 1.31 | F34 | 1-2 | 3.0 | 2×900 | MC |
| **SN 2003ek** | | | | | | | | | | | | | | |
| 2003-05-22.43 | 2452781.93 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 73.4 | 1.07 | BD28 | 1-2 | 3.0 | 2×900 | MC |
| 2003-05-23.33 | 2452782.83 | @0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 43.0 | 0.1 | 1.03 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-05-25.37 | 2452784.87 | @2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 14.0 | 1.02 | BD28 | 1-2 | 3.0 | 2×1200 | PBe |
| 2003-05-26.35 | 2452785.85 | @3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 22.0 | 13.3 | 1.02 | F34 | 1-2 | 3.0 | 1200 | MC |
| 2003-05-27.38 | 2452786.88 | @4.8 | FAST | 3720-7540 | 1.50 | 6-7 | −16.0 | 19.8 | 1.02 | F34 | 1-2 | 3.0 | 2×1020 | MC |
| 2003-05-31.35 | 2452790.85 | @8.6 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 9.9 | 1.02 | F34 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-10.45 | 2452800.95 | @18.4 | MMTred | 4150-7702 | 3.00 | 11-13 | 89.8 | 9.8 | 1.31 | F34 | ··· | ··· | 2×1200 | ··· |
| 2003-07-05.34 | 2452825.84 | @42.4 | MMTblue | 3200-8200 | 2.00 | 5-6 | 101.6 | 2.3 | 1.14 | BD28 | ··· | ··· | 1200 | PC |
| **SN 2003ep** | | | | | | | | | | | | | | |
| 2003-06-04.45 | 2452794.95 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 54.9 | 1.04 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-26.44 | 2452816.94 | @21.6 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.7 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-28.44 | 2452818.94 | @23.6 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 27.5 | 1.01 | BD28 | 1-2 | 3.0 | 1020 | IG, MC |
| 2003-07-03.38 | 2452823.88 | @28.5 | MMTblue | 3200-8200 | 2.00 | 5-6 | 0.0 | 54.2 | 1.04 | BD28 | ··· | ··· | 2×1200 | PC, MH |
| 2003-07-04.31 | 2452824.81 | @29.4 | MMTblue | 3900-8200 | 2.00 | 5-6 | −67.4 | 0.2 | 1.23 | BD26 | ··· | ··· | 2×1200 | PC |
| **SN 2003ez** | | | | | | | | | | | | | | |
| 2003-06-06.22 | 2452796.72 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 42.0 | 2.9 | 1.43 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-07.16 | 2452797.66 | @0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 13.0 | 3.9 | 1.23 | BD28 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003fa** | | | | | | | | | | | | | | |
| 2003-06-05.42 | 2452795.92 | −10.4 | FAST | 3720-7540 | 1.50 | 6-7 | 97.0 | 6.9 | 1.10 | BD28 | 1-2 | 3.0 | 2×1200 | PBe |
| 2003-06-06.36 | 2452796.86 | −9.5 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 14.3 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-07.34 | 2452797.84 | −8.5 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 14.4 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-06-08.29 | 2452798.79 | −7.6 | FAST | 3720-7540 | 1.50 | 6-7 | 66.0 | 6.2 | 1.04 | BD28 | 2 | 3.0 | 1200 | MC |
| 2003-06-09.38 | 2452799.88 | −6.6 | FAST | 3720-7540 | 1.50 | 6-7 | −25.0 | 32.5 | 1.04 | BD28 | 1-2 | 3.0 | 2×900 | MC |
| 2003-06-10.34 | 2452800.84 | −5.6 | MMTred | 4150-7702 | 3.00 | 11-13 | −179.8 | 1.2 | 1.13 | F34 | ··· | ··· | 2×900 | ··· |
| 2003-06-23.33 | 2452813.83 | +6.9 | FAST | 3720-7540 | 1.50 | 6-7 | −35.0 | 11.2 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2003-06-24.29 | 2452814.79 | +7.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 5.7 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-25.30 | 2452815.80 | +8.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 8.4 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-27.30 | 2452817.80 | +10.7 | FAST | 3720-7540 | 1.50 | 6-7 | −17.0 | 13.6 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2003-06-28.23 | 2452818.73 | +11.6 | FAST | 3720-7540 | 1.50 | 6-7 | 67.0 | 4.6 | 1.04 | BD28 | ··· | 3.0 | 1200 | IG, MC |
| 2003-06-30.22 | 2452820.72 | +13.5 | FAST | 3720-7540 | 1.50 | 6-7 | 73.0 | 7.5 | 1.05 | BD28 | 1-2 | 3.0 | 1200 | IG |
| 2003-07-01.39 | 2452821.89 | +14.6 | FAST | 3720-7540 | 1.50 | 6-7 | 95.0 | 2.8 | 1.21 | BD28 | 1-2 | 3.0 | 1200 | IG |
| 2003-07-02.29 | 2452822.79 | +15.5 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 14.2 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MC |
| 2003-07-03.38 | 2452823.88 | +16.5 | FAST | 3720-7540 | 1.50 | 6-7 | 104.0 | 10.9 | 1.20 | BD28 | 3-4 | 3.0 | 2×1200 | MC |
| 2003-07-04.46 | 2452824.96 | +17.6 | MMTblue | 3900-8200 | 2.00 | 5-6 | 77.4 | 1.1 | 1.73 | BD26 | ··· | ··· | 900,1200 | PC |
| 2003-07-04.24 | 2452824.74 | +17.3 | FAST | 3720-7540 | 1.50 | 6-7 | 57.0 | 13.2 | 1.02 | BD28 | 1-2 | 3.0 | 2×900 | MH, MC |
| 2003-07-05.41 | 2452825.91 | +18.5 | MMTblue | 3200-8200 | 2.00 | 5-6 | 87.7 | 1.6 | 1.40 | BD28 | ··· | ··· | 2×1200 | PC |
| 2003-07-06.28 | 2452826.78 | +19.3 | FAST | 3720-7540 | 1.50 | 6-7 | −13.0 | 20.4 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | MH |
| 2003-07-31.21 | 2452851.71 | +43.3 | FAST | 4113-7540 | 1.50 | 6-7 | −14.0 | 14.0 | 1.02 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2003fd** | | | | | | | | | | | | | | |
| 2003-06-23.22 | 2452813.72 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 103.0 | 4.0 | 1.13 | BD28 | 1-2 | 3.0 | 2×900 | MC |
| 2003-06-24.21 | 2452814.71 | @0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 1.7 | 1.11 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-25.21 | 2452815.71 | @1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 0.2 | 1.12 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-26.20 | 2452816.70 | @2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 1.5 | 1.11 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-06-27.18 | 2452817.68 | @3.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 3.0 | 1.08 | BD28 | 1-2 | 3.0 | 2×1200 | MC |
| 2003-06-28.18 | 2452818.68 | @4.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 1.4 | 1.07 | BD28 | ··· | 3.0 | 2×1200 | IG, MC |
| 2003-06-30.24 | 2452820.74 | @6.6 | FAST | 3720-7540 | 1.50 | 6-7 | 89.0 | 1.7 | 1.30 | BD28 | 1-2 | 3.0 | 1200 | IG |
| 2003-07-04.21 | 2452824.71 | @10.4 | MMTblue | 3900-8200 | 2.00 | 5-6 | 93.7 | 1.8 | 1.22 | BD26 | ··· | ··· | 2×1200 | PC |
| 2003-07-05.23 | 2452825.73 | @11.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 3.3 | 1.32 | BD28 | 1-2 | 3.0 | 1200 | MH |
| 2003-07-05.26 | 2452825.76 | @11.4 | MMTblue | 3200-8200 | 2.00 | 5-6 | 81.7 | 0.8 | 1.50 | BD26 | ··· | ··· | 600,900 | PC |
| **SN 2003ge** | | | | | | | | | | | | | | |
| 2003-06-24.22 | 2452814.72 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 34.2 | 1.01 | BD28 | 1-2 | 3.0 | 1200 | PBe |
| 2003-07-04.18 | 2452824.68 | @9.6 | MMTblue | 3900-8200 | 2.00 | 5-6 | −117.0 | 6.8 | 1.02 | BD26 | ··· | ··· | 2×1200 | PC |
| **SN 2003gj** | | | | | | | | | | | | | | |
| 2003-07-04.40 | 2452824.90 | @0.0 | MMTblue | 3900-8200 | 2.00 | 5-6 | −5.5 | 2.5 | 1.85 | BD26 | ··· | ··· | 1200 | PC |
| **SN 2003gn** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-07-29.37 | 2452849.87 | −3.0 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 22.6 | 1.04 | BD28 | 2 | 3.0 | 1200 | PBe |
| **SN 2003gq** | | | | | | | | | | | | | | |
| 2003-07-29.39 | 2452849.89 | +1.4 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 3.7 | 1.01 | BD28 | 2 | 3.0 | 2×1200 | PBe |
| **SN 2003hm** | | | | | | | | | | | | | | |
| 2003-09-22.47 | 2452904.97 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 27.0 | 0.4 | 1.19 | BD28/H600 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2003hu** | | | | | | | | | | | | | | |
| 2003-09-19.19 | 2452901.69 | +0.1 | FAST | 3720-7540 | 1.50 | 6-7 | −28.0 | 3.2 | 1.49 | BD28/H600 | 2 | 3.0 | 1200 | MC |
| 2003-09-21.16 | 2452903.66 | +1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 23.2 | 1.47 | BD28/H600 | 1-2 | 3.0 | 1200 | PBe |
| 2003-09-27.14 | 2452909.64 | +7.5 | FAST | 3720-7540 | 1.50 | 6-7 | −18.0 | 3.5 | 1.46 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| 2003-09-28.12 | 2452910.62 | +8.4 | FAST | 3720-7540 | 1.50 | 6-7 | −9.0 | 3.5 | 1.45 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| 2003-09-30.16 | 2452912.66 | +10.3 | FAST | 3720-7540 | 1.50 | 6-7 | −29.0 | 0.7 | 1.48 | BD28/H600 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-02.13 | 2452914.63 | +12.1 | FAST | 3720-7540 | 1.50 | 6-7 | −17.0 | 3.3 | 1.46 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003hv** | | | | | | | | | | | | | | |
| 2003-11-21.21 | 2452964.71 | +74.7 | LDSS2 | 3600-9900 | 5.00 | 17-18 | 103.4 | 0.2 | 1.12 | H600 | ··· | 1.4 | 300 | ··· |
| **SN 2003hw** | | | | | | | | | | | | | | |
| 2003-09-18.43 | 2452900.93 | @0.0 | FAST | 3720-7461 | 1.50 | 6-7 | 110.0 | 69.1 | 1.00 | BD28/H600 | 2.2 | 3.0 | 1200 | MC |
| 2003-09-19.45 | 2452901.95 | @1.0 | FAST | 3720-7540 | 1.50 | 6-7 | −8.0 | 28.0 | 1.00 | BD28/H600 | 1.6 | 3.0 | 1200 | MC |
| 2003-09-21.44 | 2452903.94 | @2.9 | FAST | 3720-7540 | 1.50 | 6-7 | 3.0 | 25.8 | 1.00 | BD28/H600 | 2 | 3.0 | 2×1200 | PBe |
| **SN 2003hx** | | | | | | | | | | | | | | |
| 2003-11-21.30 | 2452964.80 | @0.0 | LDSS2 | 3600-9900 | 5.00 | 14-15 | 128.0 | 0.2 | 1.07 | H600 | ··· | 1.0 | 2×600 | ··· |
| **SN 2003hz** | | | | | | | | | | | | | | |
| 2003-09-19.50 | 2452902.00 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 4.8 | 1.07 | BD28/H600 | 1.6 | 3.0 | 1200 | MC |
| **SN 2003ia** | | | | | | | | | | | | | | |
| 2003-09-19.17 | 2452901.67 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 76.0 | 1.3 | 1.62 | BD28/H600 | 2 | 3.0 | 1200 | MC |
| 2003-09-28.10 | 2452910.60 | @8.7 | FAST | 3720-7540 | 1.50 | 6-7 | 83.0 | 1.9 | 1.29 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| 2003-09-30.13 | 2452912.63 | @10.6 | FAST | 3720-7540 | 1.50 | 6-7 | 76.0 | 1.1 | 1.60 | BD28/H600 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2003ic** | | | | | | | | | | | | | | |
| 2003-09-19.40 | 2452901.90 | −4.1 | FAST | 3720-7540 | 1.50 | 6-7 | 18.0 | 3.6 | 1.40 | BD28/H600 | 1.6 | 3.0 | 1200 | MC |
| 2003-09-21.36 | 2452903.86 | −2.3 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 8.4 | 1.33 | BD28/H600 | 2 | 3.0 | 1200 | PBe |
| 2003-09-27.38 | 2452909.88 | +3.4 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 4.3 | 1.42 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| 2003-09-28.30 | 2452910.80 | +4.3 | FAST | 3720-7540 | 1.50 | 6-7 | −17.0 | 3.9 | 1.35 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| 2003-09-29.35 | 2452911.85 | +5.3 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 8.7 | 1.34 | BD28/H600 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-01.32 | 2452913.82 | +7.2 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 8.5 | 1.32 | BD28/H600 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-02.25 | 2452914.75 | +8.0 | FAST | 3720-7540 | 1.50 | 6-7 | −31.0 | 3.0 | 1.46 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-10-17.23 | 2452929.73 | +22.2 | FAST | 3720-7540 | 1.50 | 6-7 | −18.0 | 1.5 | 1.38 | BD17 | 1-2 | 3.0 | 2×1200 | PBe |
| **SN 2003if** | | | | | | | | | | | | | | |
| 2003-09-22.45 | 2452904.95 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 2.4 | 1.87 | BD28/H600 | 1-2 | 3.0 | 1200 | PBe |
| 2003-11-21.26 | 2452964.76 | @59.5 | LDSS2 | 3600-9900 | 5.00 | 17-18 | 103.7 | 0.3 | 1.15 | H600 | ··· | 1.4 | 3×300 | ··· |
| **SN 2003im** | | | | | | | | | | | | | | |
| 2003-10-03.34 | 2452915.84 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 0.5 | 1.33 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003in** | | | | | | | | | | | | | | |
| 2003-10-03.37 | 2452915.87 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 27.5 | 1.19 | BD28/H600 | 1-2 | 3.0 | 2×1200 | MC |
| 2003-11-21.27 | 2452964.77 | @47.9 | LDSS2 | 3760-9590 | 5.00 | 17-18 | 134.0 | 0.1 | 1.60 | H600 | ··· | 1.4 | 3×600 | ··· |
| **SN 2003it** | | | | | | | | | | | | | | |
| 2003-10-19.18 | 2452931.68 | −3.2 | FAST | 3720-7540 | 1.50 | 6-7 | 107.0 | 0.8 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2003-10-20.23 | 2452932.73 | −2.2 | FAST | 3720-7540 | 1.50 | 6-7 | −52.0 | 16.8 | 1.00 | BD17 | 1-2 | 3.0 | 2×1200 | MC |
| 2003-10-21.31 | 2452933.81 | −1.1 | FAST | 3720-7540 | 1.50 | 6-7 | 75.0 | 1.9 | 1.09 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2003-10-22.26 | 2452934.76 | −0.2 | FAST | 3720-7540 | 1.50 | 6-7 | 59.0 | 2.9 | 1.02 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2003-10-23.25 | 2452935.75 | +0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 40.5 | 1.01 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-24.24 | 2452936.74 | +1.7 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 40.6 | 1.01 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-25.24 | 2452937.74 | +2.7 | FAST | 3720-7540 | 1.50 | 6-7 | 9.0 | 26.8 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2003-10-26.25 | 2452938.75 | +3.7 | FAST | 3720-7540 | 1.50 | 6-7 | 52.0 | 11.0 | 1.02 | BD28/BD17 | 2-3 | 3.0 | 2×1020 | MC |
| 2003-10-28.34 | 2452940.84 | +5.7 | FAST | 3720-7540 | 1.50 | 6-7 | 73.0 | 0.2 | 1.26 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2003-10-29.21 | 2452941.71 | +6.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 87.7 | 1.00 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2003-10-30.22 | 2452942.72 | +7.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 70.7 | 1.00 | BD28 | 2-3 | 3.0 | 1800 | PBe |
| 2003-10-31.23 | 2452943.73 | +8.5 | FAST | 3720-7540 | 1.50 | 6-7 | 41.0 | 12.8 | 1.01 | BD28 | 2 | 3.0 | 1200 | MC |
| 2003-11-01.21 | 2452944.71 | +9.5 | FAST | 3720-7540 | 1.50 | 6-7 | −13.0 | 32.1 | 1.00 | BD28 | 2 | 3.0 | 1200 | MC |
| 2003-11-23.14 | 2452966.64 | +30.9 | FAST | 3720-7540 | 1.50 | 6-7 | −31.0 | 30.5 | 1.00 | BD28/BD17 | 3 | 3.0 | 1200 | MC |
| 2003-11-24.13 | 2452967.63 | +31.9 | FAST | 3720-7540 | 1.50 | 6-7 | −55.0 | 25.6 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 2×900 | MC |
| **SN 2003iu** | | | | | | | | | | | | | | |
| 2003-10-20.37 | 2452932.87 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 13.1 | 1.08 | BD17 | 1-2 | 3.0 | 1200 | MC |
| 2003-10-21.32 | 2452933.82 | @0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 8.0 | 1.02 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2003-10-22.36 | 2452934.86 | @1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 4.6 | 1.07 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2003-10-23.31 | 2452935.81 | @2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 84.4 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-24.33 | 2452936.83 | @3.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 53.4 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-25.35 | 2452937.85 | @4.8 | FAST | 3720-7540 | 1.50 | 6-7 | 70.0 | 16.4 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2003-10-26.28 | 2452938.78 | @5.7 | FAST | 3720-7540 | 1.50 | 6-7 | −42.0 | 9.1 | 1.02 | BD28/BD17 | 2-3 | 3.0 | 1200 | MC |
| 2003-10-28.35 | 2452940.85 | @7.7 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 3.1 | 1.08 | BD28 | 2-3 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-10-29.29 | 2452941.79 | @8.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 84.2 | 1.02 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2003-10-30.29 | 2452942.79 | @9.5 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 89.5 | 1.02 | BD28 | 2-3 | 3.0 | 1080 | PBe |
| 2003-10-31.25 | 2452943.75 | @10.4 | FAST | 3720-7540 | 1.50 | 6-7 | −52.0 | 4.9 | 1.04 | BD28 | 2 | 3.0 | 1200 | MC |
| 2003-11-01.23 | 2452944.73 | @11.4 | FAST | 3720-7540 | 1.50 | 6-7 | −58.0 | 2.7 | 1.07 | BD28 | 2 | 3.0 | 1200 | MC |
| 2003-11-19.18 | 2452962.68 | @28.6 | FAST | 3720-7480 | 1.50 | 6-7 | 110.0 | 16.3 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1200 | LM |
| 2003-11-22.19 | 2452965.69 | @31.5 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 3.6 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003iv** | | | | | | | | | | | | | | |
| 2003-10-19.38 | 2452931.88 | −2.4 | FAST | 3720-7540 | 1.50 | 6-7 | 11.0 | 6.8 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2003-10-20.40 | 2452932.90 | −1.4 | FAST | 3720-7540 | 1.50 | 6-7 | 26.0 | 8.3 | 1.09 | BD28 | 1-2 | 3.0 | 4×1020 | MC |
| 2003-10-21.38 | 2452933.88 | −0.5 | FAST | 3720-7540 | 1.50 | 6-7 | 25.0 | 0.4 | 1.07 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2003-10-22.38 | 2452934.88 | +0.5 | FAST | 3720-7540 | 1.50 | 6-7 | 30.0 | 2.5 | 1.08 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2003-10-23.35 | 2452935.85 | +1.4 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 0.5 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-10-25.37 | 2452937.87 | +3.4 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 5.2 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2003-10-29.34 | 2452941.84 | +7.2 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 1.8 | 1.06 | BD28 | 2-3 | 3.0 | 1200 | PBe |
| 2004-01-18.21 | 2453022.71 | +85.4 | MMTblue | 3270-7048 | 2.00 | 12-13 | 53.8 | 6.8 | 1.30 | F34/HD84 | ··· | ··· | 3×1200 | TM |
| **SN 2003iz** | | | | | | | | | | | | | | |
| 2003-10-23.28 | 2452935.78 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 58.5 | 1.01 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2003jz** | | | | | | | | | | | | | | |
| 2003-11-20.50 | 2452964.00 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 6.3 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1200 | LM |
| **SN 2003kc** | | | | | | | | | | | | | | |
| 2003-11-26.54 | 2452970.04 | −7.6 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 33.8 | 1.00 | F34/HD19 | 1-2 | 3.0 | 660 | PBe |
| 2003-11-28.53 | 2452972.03 | −5.7 | FAST | 3720-7540 | 1.50 | 6-7 | 105.0 | 19.9 | 1.00 | BD17 | 5 | 3.0 | 1200 | MC |
| 2003-12-03.49 | 2452976.99 | −0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 100.0 | 0.6 | 1.01 | F34/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-12-19.49 | 2452992.99 | +14.6 | FAST | 3720-7482 | 1.50 | 6-7 | 60.0 | 14.3 | 1.00 | F34/HD19 | 2 | 3.0 | 1200 | JHuc |
| 2003-12-25.51 | 2452999.01 | +20.5 | FAST | 3720-7540 | 1.50 | 6-7 | 82.0 | 0.5 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2003-12-29.44 | 2453002.94 | +24.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 25.9 | 1.00 | F34/HD84 | 2-3 | 3.0 | 1200 | PBe |
| 2004-01-18.43 | 2453022.93 | +43.6 | MMTblue | 3270-8460 | 2.00 | 12-13 | 75.3 | 28.1 | 1.02 | F34/HD84 | ··· | ··· | 3×1200 | TM |
| **SN 2003kd** | | | | | | | | | | | | | | |
| 2003-11-26.41 | 2452969.91 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 2.7 | 1.40 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2003-11-27.26 | 2452970.76 | @0.8 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 89.8 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-11-29.26 | 2452972.76 | @2.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 10.2 | 1.03 | BD28/HD19 | 5 | 3.0 | 1200 | MC |
| 2003-11-30.27 | 2452973.77 | @3.7 | FAST | 3720-7540 | 1.50 | 6-7 | −17.5 | 14.0 | 1.03 | BD28/BD17 | 2 | 3.0 | 2×1200 | MC |
| 2003-12-04.32 | 2452977.82 | @7.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 1.1 | 1.12 | BD28/HD19 | 1-2 | 3.0 | 1200 | MC |
| 2003-12-20.17 | 2452993.67 | @23.1 | MMTblue | 3620-8830 | 2.00 | 6-7 | −142.2 | 7.1 | 1.04 | BD28/BD17 | ··· | 1.0 | 3×1200 | WBr, CHei |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2004-01-18.26 | 2453022.76 | @51.3 | MMTblue | 3270-8460 | 2.00 | 12-13 | 90.0 | 9.1 | 1.38 | F34/HD84 | ··· | ··· | 3×1200 | TM |
| **SN 2003kf** | | | | | | | | | | | | | | |
| 2003-11-28.33 | 2452971.83 | −9.4 | IMACS | 3700-9850 | 3.00 | 5-6 | −51.9 | 3.7 | 1.11 | F110/vMa2 | ··· | ··· | 120,300 | TM |
| 2003-11-28.43 | 2452971.93 | −9.3 | FAST | 3720-7540 | 1.50 | 6-7 | 17.0 | 3.3 | 1.48 | BD17 | 5 | 3.0 | 2×1200 | MC |
| 2003-11-29.41 | 2452972.91 | −8.4 | FAST | 3720-7540 | 1.50 | 6-7 | 20.0 | 6.6 | 1.43 | BD28/HD19 | ··· | 3.0 | 1200 | MC |
| 2003-11-30.40 | 2452973.90 | −7.4 | FAST | 3720-7540 | 1.50 | 6-7 | 8.0 | 3.7 | 1.42 | BD28/BD17 | 2 | 3.0 | 1200 | MC |
| 2003-12-02.36 | 2452975.86 | −5.4 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 2.0 | 1.40 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-12-04.43 | 2452977.93 | −3.4 | FAST | 3720-7540 | 1.50 | 6-7 | 26.0 | 2.4 | 1.58 | BD28/HD19 | 1-2 | 3.0 | 1200 | MC |
| 2003-12-16.37 | 2452989.87 | +8.5 | FAST | 3720-7482 | 1.50 | 6-7 | 15.0 | 3.1 | 1.46 | F34/H600 | 5 | 3.0 | 1200 | MC |
| 2003-12-18.35 | 2452991.85 | +10.4 | FAST | 3720-7482 | 1.50 | 6-7 | 5.0 | 3.5 | 1.41 | BD28/HD19 | 1.2 | 3.0 | 1200 | MC |
| 2003-12-21.36 | 2452994.86 | +13.4 | FAST | 3720-7482 | 1.50 | 6-7 | 15.0 | 1.2 | 1.45 | F34/BD17 | 2 | 3.0 | 1200 | JHuc |
| 2003-12-22.39 | 2452995.89 | +14.4 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 4.1 | 1.63 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2003-12-23.40 | 2452996.90 | +15.4 | FAST | 3720-7540 | 1.50 | 6-7 | 35.0 | 0.7 | 1.71 | BD28/BD17 | 3-5 | 3.0 | 1800 | PBe |
| 2003-12-25.38 | 2452998.88 | +17.4 | FAST | 3720-7540 | 1.50 | 6-7 | 27.0 | 2.4 | 1.60 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2003-12-26.38 | 2452999.88 | +18.4 | FAST | 3720-7540 | 1.50 | 6-7 | 27.0 | 3.7 | 1.62 | BD28/HD19 | 5 | 3.0 | 2×900 | MC |
| 2003-12-27.42 | 2453000.92 | +19.4 | FAST | 3720-7540 | 1.50 | 6-7 | 40.0 | 2.7 | 2.10 | BD28/HD19 | 4-5 | 3.0 | 2×900 | MC |
| 2003-12-28.31 | 2453001.81 | +20.3 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 87.0 | 1.40 | BD28/HD19 | 2-3 | 3.0 | 1200 | PBe |
| 2003-12-29.32 | 2453002.82 | +21.3 | FAST | 3720-7540 | 1.50 | 6-7 | 12.0 | 2.3 | 1.41 | F34/HD84 | 2-3 | 3.0 | 1200 | PBe |
| 2004-01-02.42 | 2453006.92 | +25.4 | FAST | 3720-7540 | 1.50 | 6-7 | 44.0 | 0.7 | 2.27 | F34/HD84 | 2-3 | 3.0 | 1200 | MC |
| 2004-01-17.23 | 2453021.73 | +40.1 | FAST | 3720-7540 | 1.50 | 6-7 | −4.0 | 0.8 | 1.40 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2004-01-18.31 | 2453022.81 | +41.2 | MMTblue | 3270-8460 | 2.00 | 12-13 | 24.5 | 1.7 | 1.55 | F34/HD84 | ··· | ··· | 3×900 | TM |
| 2004-01-18.25 | 2453022.75 | +41.1 | FAST | 3720-7540 | 1.50 | 6-7 | 4.0 | 0.7 | 1.40 | F34/HD84 | 2 | 3.0 | 1200 | MW |
| 2004-01-19.26 | 2453023.76 | +42.1 | FAST | 3720-7521 | 1.50 | 6-7 | 10.0 | 0.5 | 1.41 | F34/HD19 | 2 | 3.0 | 1200 | MW |
| 2004-01-30.29 | 2453034.79 | +53.1 | FAST | 3720-7540 | 1.50 | 6-7 | 28.0 | 2.8 | 1.62 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-02-14.22 | 2453049.72 | +67.9 | FAST | 3720-7540 | 1.50 | 6-7 | 21.0 | 3.1 | 1.52 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-02-16.18 | 2453051.68 | +69.8 | FAST | 3720-7540 | 1.50 | 6-7 | 12.0 | 3.6 | 1.41 | F34/HD19 | 1-2 | 3.0 | 1500 | PBe |
| 2004-03-18.12 | 2453082.62 | +100.5 | FAST | 3720-7540 | 1.50 | 6-7 | 16.0 | 2.7 | 1.46 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2005-01-11.11 | 2453381.61 | +397.3 | LDSS2 | 4023-8412 | 5.20 | 9-11 | 19.8 | 32.4 | 1.08 | L3864 | ··· | 0.7 | 2×1200 | ··· |
| **SN 2003kg** | | | | | | | | | | | | | | |
| 2003-11-29.12 | 2452972.62 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 51.0 | 2.5 | 1.18 | BD28/HD19 | 5 | 3.0 | 1200 | MC |
| **SN 2003kh** | | | | | | | | | | | | | | |
| 2003-11-29.13 | 2452972.63 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 101.0 | 6.6 | 1.55 | BD28/HD19 | 5 | 3.0 | 1080,1200 | MC |
| 2003-11-30.10 | 2452973.60 | @0.9 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 7.8 | 1.42 | BD28/BD17 | 2 | 3.0 | 2×1020 | MC |
| **SN 2003kz** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003-12-19.51 | 2452993.01 | @0.0 | FAST | 3720-7482 | 1.50 | 6-7 | −20.0 | 14.2 | 1.09 | F34/HD19 | 2 | 3.0 | 1200 | JHuc |
| **SN 2003lc** | | | | | | | | | | | | | | |
| 2003-12-28.11 | 2453001.61 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 24.3 | 1.00 | BD28/HD19 | 2-3 | 3.0 | 1800 | PBe |
| 2004-01-01.12 | 2453005.62 | @3.9 | FAST | 3720-7540 | 1.50 | 6-7 | 80.0 | 1.3 | 1.01 | F34/HD19 | 1-2 | 3.0 | 1200 | MC |
| **SN 2003lq** | | | | | | | | | | | | | | |
| 2004-01-13.14 | 2453017.64 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 49.0 | 1.4 | 1.92 | BD28/HD19 | 1-2 | 3.0 | 1200 | MC |
| **SN 2004B** | | | | | | | | | | | | | | |
| 2004-01-16.19 | 2453020.69 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 3.2 | 1.29 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2004-01-28.16 | 2453032.66 | @11.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.6 | 1.29 | F34/HD19 | 1-2 | 3.0 | 1500 | PBe |
| **SN 2004H** | | | | | | | | | | | | | | |
| 2004-01-27.46 | 2453031.96 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 13.5 | 1.05 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2004J** | | | | | | | | | | | | | | |
| 2004-01-27.20 | 2453031.70 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.1 | 1.54 | F34/HD19 | 2 | 3.0 | 1200 | PBe |
| **SN 2004K** | | | | | | | | | | | | | | |
| 2004-01-27.54 | 2453032.04 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −10.0 | 2.6 | 1.61 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2004L** | | | | | | | | | | | | | | |
| 2004-01-27.40 | 2453031.90 | +2.5 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.9 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2004-01-28.37 | 2453032.87 | +3.4 | FAST | 3720-7540 | 1.50 | 6-7 | −20.0 | 6.5 | 1.05 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2004-01-30.33 | 2453034.83 | +5.3 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 7.9 | 1.11 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-02-14.46 | 2453049.96 | +19.9 | FAST | 3720-7540 | 1.50 | 6-7 | 60.0 | 1.0 | 1.29 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-02-16.35 | 2453051.85 | +21.8 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 1.6 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2004-02-17.35 | 2453052.85 | +22.7 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 0.8 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2004-02-18.33 | 2453053.83 | +23.7 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 5.6 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2004-02-20.29 | 2453055.79 | +25.6 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 2.4 | 1.08 | F34/HD19 | 1-2 | 3.0 | 900 | MC |
| 2004-02-21.36 | 2453056.86 | +26.6 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 14.1 | 1.06 | F34/HD19 | 1-2 | 3.0 | 2×1200 | MC |
| 2004-02-22.30 | 2453057.80 | +27.5 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 10.7 | 1.05 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-02-26.27 | 2453061.77 | +31.4 | FAST | 3720-7540 | 1.50 | 6-7 | −40.0 | 0.3 | 1.07 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2004-02-27.35 | 2453062.85 | +32.4 | FAST | 3720-7540 | 1.50 | 6-7 | 15.0 | 22.1 | 1.07 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2004-03-01.31 | 2453065.81 | +35.3 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 3.6 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2004P** | | | | | | | | | | | | | | |
| 2004-01-27.52 | 2453032.02 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 79.6 | 1.00 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2004ab** | | | | | | | | | | | | | | |
| 2004-02-24.49 | 2453059.99 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 22.0 | 3.3 | 1.59 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2004ap** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2004-03-13.25 | 2453077.75 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −5.0 | 1.3 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2004as** | | | | | | | | | | | | | | |
| 2004-03-13.30 | 2453077.80 | −7.8 | FAST | 3720-7540 | 1.50 | 6-7 | −8.0 | 13.7 | 1.01 | F34/HD84 | 1-2 | 3.0 | 975 | PBe |
| 2004-03-14.32 | 2453078.82 | −6.8 | FAST | 3720-7540 | 1.50 | 6-7 | 29.0 | 4.6 | 1.02 | F34/HD84 | 2-3 | 3.0 | 1200 | PBe |
| 2004-03-15.31 | 2453079.81 | −5.9 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 7.1 | 1.01 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2004-03-16.35 | 2453080.85 | −4.9 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 56.9 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-03-17.39 | 2453081.89 | −3.9 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 0.4 | 1.15 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-03-18.36 | 2453082.86 | −2.9 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 4.9 | 1.08 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2004-03-19.28 | 2453083.78 | −2.0 | FAST | 3720-7540 | 1.50 | 6-7 | −30.0 | 4.7 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2004-03-20.38 | 2453084.88 | −1.0 | FAST | 3720-7540 | 1.50 | 6-7 | 65.0 | 0.7 | 1.15 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-03-21.27 | 2453085.77 | −0.1 | FAST | 3720-7540 | 1.50 | 6-7 | −15.0 | 16.3 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-03-23.26 | 2453087.76 | +1.8 | FAST | 3720-7540 | 1.50 | 6-7 | −45.0 | 0.2 | 1.03 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2004-03-24.34 | 2453088.84 | +2.9 | FAST | 3720-7540 | 1.50 | 6-7 | 58.0 | 2.2 | 1.07 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2004-03-27.35 | 2453091.85 | +5.8 | FAST | 3720-7540 | 1.50 | 6-7 | 64.0 | 0.8 | 1.10 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2004-03-28.22 | 2453092.72 | +6.6 | FAST | 3720-7540 | 1.50 | 6-7 | −50.0 | 6.8 | 1.05 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-03-29.23 | 2453093.73 | +7.6 | FAST | 3720-7540 | 1.50 | 6-7 | −55.0 | 2.6 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-03-30.24 | 2453094.74 | +8.6 | FAST | 3720-7540 | 1.50 | 6-7 | −46.0 | 7.5 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-04-16.27 | 2453111.77 | +25.1 | FAST | 3720-7540 | 1.50 | 6-7 | 56.0 | 0.2 | 1.05 | F34/BD26 | 1-2 | 3.0 | 1500 | PBe |
| 2004-04-19.26 | 2453114.76 | +28.0 | FAST | 3720-7540 | 1.50 | 6-7 | 57.0 | 1.3 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1200 | WBr |
| 2004-04-22.33 | 2453117.83 | +31.0 | FAST | 3720-7540 | 1.50 | 6-7 | 67.0 | 0.4 | 1.34 | F34/BD26 | 2 | 3.0 | 1200 | WBr |
| **SN 2004at** | | | | | | | | | | | | | | |
| 2004-03-19.24 | 2453083.74 | −8.6 | FAST | 3720-7540 | 1.50 | 6-7 | 22.0 | 1.1 | 1.14 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-03-20.42 | 2453084.92 | −7.4 | FAST | 3720-7540 | 1.50 | 6-7 | 104.0 | 1.0 | 1.42 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-03-21.26 | 2453085.76 | −6.6 | FAST | 3720-7540 | 1.50 | 6-7 | 5.0 | 4.9 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-03-23.24 | 2453087.74 | −4.7 | FAST | 3720-7540 | 1.50 | 6-7 | 23.0 | 4.3 | 1.14 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2004-03-24.32 | 2453088.82 | −3.6 | FAST | 3720-7540 | 1.50 | 6-7 | −33.0 | 4.3 | 1.17 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2004-03-27.33 | 2453091.83 | −0.7 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 26.6 | 1.19 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-03-28.20 | 2453092.70 | +0.2 | FAST | 3720-7540 | 1.50 | 6-7 | 34.0 | 4.2 | 1.15 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-03-29.21 | 2453093.71 | +1.2 | FAST | 3720-7540 | 1.50 | 6-7 | 29.0 | 4.5 | 1.15 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-03-30.22 | 2453094.72 | +2.2 | FAST | 3720-7540 | 1.50 | 6-7 | 18.0 | 4.2 | 1.14 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-04-15.19 | 2453110.69 | +17.8 | FAST | 3720-7540 | 1.50 | 6-7 | 10.0 | 5.4 | 1.13 | F34/HD84 | 2 | 3.0 | 1200 | JHuc |
| 2004-04-27.26 | 2453122.76 | +29.6 | FAST | 3720-7521 | 1.50 | 6-7 | −47.0 | 6.1 | 1.23 | F34/HD84 | 1-2 | 3.0 | 2×900 | MC |
| **SN 2004av** | | | | | | | | | | | | | | |
| 2004-03-19.31 | 2453083.81 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 0.9 | 1.71 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SN 2004az** | | | | | | | | |
| 2004-03-25.26 | 2453089.76 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 14.4 | 1.02 | F34/HD84 | 1-2 | 3.0 | 900 | PBe |
| | | | | | | **SN 2004bc** | | | | | | | | |
| 2004-04-12.25 | 2453107.75 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | −8.0 | 11.5 | 1.39 | F34/HD84 | 2 | 3.0 | 1200 | JHuc |
| | | | | | | **SN 2004bd** | | | | | | | | |
| 2004-04-17.20 | 2453112.70 | +18.0 | FAST | 3720-7540 | 1.50 | 6-7 | 0.0 | 89.8 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1020 | PBe |
| 2004-04-19.28 | 2453114.78 | +20.1 | FAST | 3720-7540 | 1.50 | 6-7 | 110.0 | 25.0 | 1.05 | F34/HD84 | 1-2 | 3.0 | 1200 | WBr |
| 2004-04-22.36 | 2453117.86 | +23.1 | FAST | 3720-7540 | 1.50 | 6-7 | 76.0 | 0.8 | 1.43 | F34/BD26 | 2 | 3.0 | 1200 | WBr |
| 2004-04-26.23 | 2453121.73 | +26.9 | FAST | 3720-7521 | 1.50 | 6-7 | 90.0 | 1.6 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-04-28.19 | 2453123.69 | +28.9 | FAST | 3720-7521 | 1.50 | 6-7 | 93.0 | 9.9 | 1.00 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| | | | | | | **SN 2004bg** | | | | | | | | |
| 2004-04-11.39 | 2453106.89 | −3.0 | FAST | 3720-7540 | 1.50 | 6-7 | 68.0 | 2.2 | 1.62 | F34/BD26 | 2-3 | 3.0 | 1200 | PBe |
| 2004-04-17.19 | 2453112.69 | +2.6 | FAST | 3720-7540 | 1.50 | 6-7 | −25.0 | 11.0 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2004-04-20.33 | 2453115.83 | +5.7 | FAST | 3720-7521 | 1.50 | 6-7 | 66.0 | 0.1 | 1.34 | F34/BD26 | 2-3 | 3.0 | 1200 | WBr |
| 2004-04-25.25 | 2453120.75 | +10.5 | FAST | 3720-7521 | 1.50 | 6-7 | 54.0 | 3.1 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2004-04-27.28 | 2453122.78 | +12.5 | FAST | 3720-7521 | 1.50 | 6-7 | 63.0 | 1.2 | 1.19 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| | | | | | | **SN 2004bj** | | | | | | | | |
| 2004-04-25.28 | 2453120.78 | @0.0 | FAST | 3720-7521 | 1.50 | 6-7 | −8.0 | 14.4 | 1.10 | F34/HD84 | 1-2 | 3.0 | 2×1200,1020 | MC |
| | | | | | | **SN 2004bk** | | | | | | | | |
| 2004-04-24.32 | 2453119.82 | +6.4 | FAST | 3720-7521 | 1.50 | 6-7 | 20.0 | 0.2 | 1.15 | F34/BD26 | 1.5-2a | 3.0 | 1200 | WBr |
| | | | | | | **SN 2004bo** | | | | | | | | |
| 2004-05-11.23 | 2453136.73 | @0.0 | FAST | 3340-7240 | 1.50 | 6-7 | 0.0 | 1.8 | 1.60 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| | | | | | | **SN 2004bp** | | | | | | | | |
| 2004-05-11.21 | 2453136.71 | @0.0 | FAST | 3340-7240 | 1.50 | 6-7 | 100.0 | 2.9 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| | | | | | | **SN 2004ca** | | | | | | | | |
| 2004-06-10.46 | 2453166.96 | @0.0 | FAST | 3400-7300 | 1.50 | 6-7 | 52.0 | 6.0 | 1.04 | BD28/BD26 | 1-2 | 3.0 | 1200 | MC |
| 2004-06-12.41 | 2453168.91 | @1.9 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 20.5 | 1.10 | F34/BD26 | 1-2 | 3.0 | 1200 | KP |
| | | | | | | **SN 2004ct** | | | | | | | | |
| 2004-07-16.21 | 2453202.71 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 74.0 | 1.0 | 1.07 | BD28/BD26 | 2 | 3.0 | 2×1200 | MC |
| 2004-07-22.27 | 2453208.77 | @5.9 | FAST | 3720-7540 | 1.50 | 6-7 | 74.0 | 0.9 | 1.35 | BD28/BD26 | 1-2 | 3.0 | 1200 | MC |
| | | | | | | **SN 2004cu** | | | | | | | | |
| 2004-07-07.19 | 2453193.69 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 46.0 | 4.3 | 1.20 | BD28/BD26 | 1-2 | 3.0 | 2×1200 | MC |
| | | | | | | **SN 2004da** | | | | | | | | |
| 2004-07-10.44 | 2453196.94 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 45.5 | 1.26 | BD28/BD17 | 2 | 3.0 | 900 | JHuc |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2004db** | | | | | | | | | | | | | | |
| 2004-07-10.46 | 2453196.96 | @0.0 | FAST | 3720-7540 | 1.50 | 6-7 | 90.0 | 89.3 | 1.70 | BD28/BD17 | 2 | 3.0 | 1200 | JHuc |
| **SN 2004dt** | | | | | | | | | | | | | | |
| 2004-09-08.49 | 2453256.99 | +16.4 | FAST | 3481-7419 | 1.48 | 6-7 | 28.0 | 1.7 | 1.26 | BD28/BD17 | 2-3 | 3.0 | 600 | MC |
| 2004-09-11.42 | 2453259.92 | +19.3 | FAST | 3480-7410 | 1.47 | 6-7 | 2.0 | 2.0 | 1.18 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2004-09-15.45 | 2453263.95 | +23.2 | FAST | 3482-7403 | 1.47 | 6-7 | 17.0 | 3.9 | 1.21 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2004-10-06.37 | 2453284.87 | +43.7 | FAST | 3480-7410 | 1.47 | 6-7 | 0.0 | 10.8 | 1.19 | BD28/BD17 | 1-2 | 3.0 | 2×900 | MC |
| 2004-10-11.37 | 2453289.87 | +48.6 | FAST | 3485-7411 | 1.47 | 6-7 | 11.0 | 4.8 | 1.20 | G191/H600 | 1-2 | 3.0 | 1200 | MC |
| 2004-10-13.36 | 2453291.86 | +50.6 | FAST | 3490-7420 | 1.47 | 6-7 | 10.0 | 5.1 | 1.19 | G191/H600 | 1-2 | 3.0 | 1200 | KE, MC |
| 2004-10-15.34 | 2453293.84 | +52.5 | FAST | 3490-7419 | 1.47 | 6-7 | 90.0 | 83.0 | 1.18 | G191/H600 | 1-2 | 3.0 | 1200 | KE, JDon |
| 2004-10-20.44 | 2453298.94 | +57.5 | FAST | 3490-7420 | 1.47 | 6-7 | 56.0 | 8.2 | 1.61 | BD28/H600 | 2-3 | 3.0 | 2×900 | MC |
| 2004-12-12.18 | 2453351.68 | +109.3 | FAST | 3485-7411 | 1.47 | 6-7 | 5.0 | 2.7 | 1.18 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2004ef** | | | | | | | | | | | | | | |
| 2004-09-07.30 | 2453255.80 | −8.1 | FAST | 3479-7414 | 1.47 | 6-7 | 90.0 | 78.1 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2004-09-08.35 | 2453256.85 | −7.1 | FAST | 3446-7416 | 1.49 | 6-7 | 43.0 | 8.9 | 1.07 | BD28/BD17 | 2-3 | 3.0 | 2×1500 | MC |
| 2004-09-09.24 | 2453257.74 | −6.2 | FAST | 3549-7472 | 1.47 | 6-7 | −50.0 | 0.6 | 1.06 | BD28/BD17 | 2-3 | 3.0 | 1200 | MC |
| 2004-09-10.27 | 2453258.77 | −5.2 | FAST | 3540-7470 | 1.47 | 6-7 | −36.0 | 8.2 | 1.03 | BD33/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2004-09-11.34 | 2453259.84 | −4.2 | FAST | 3480-7410 | 1.47 | 6-7 | 50.0 | 0.7 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2004-09-12.28 | 2453260.78 | −3.3 | FAST | 3480-7410 | 1.47 | 6-7 | 0.0 | 3.0 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2004-09-14.18 | 2453262.68 | −1.5 | FAST | 3480-7410 | 1.47 | 6-7 | 110.0 | 7.4 | 1.21 | BD28/BD33 | 1-2 | 3.0 | 900 | MC |
| 2004-09-15.30 | 2453263.80 | −0.4 | FAST | 3481-7402 | 1.47 | 6-7 | 24.0 | 8.5 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2004-09-16.34 | 2453264.84 | +0.6 | FAST | 3475-7410 | 1.47 | 6-7 | 54.0 | 2.5 | 1.10 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2004-09-17.27 | 2453265.77 | +1.5 | FAST | 3480-7400 | 1.47 | 6-7 | −8.0 | 3.4 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2004-09-18.28 | 2453266.78 | +2.5 | FAST | 3475-7410 | 1.47 | 6-7 | 15.0 | 0.5 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 540 | PBe |
| 2004-09-22.22 | 2453270.72 | +6.3 | FAST | 3485-7406 | 1.47 | 6-7 | −45.0 | 1.2 | 1.05 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2004-10-06.17 | 2453284.67 | +19.9 | FAST | 3480-7410 | 1.47 | 6-7 | 104.0 | 27.9 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| 2004-10-12.14 | 2453290.64 | +25.7 | FAST | 3485-7411 | 1.47 | 6-7 | −50.0 | 4.1 | 1.08 | BD28/BD17 | ··· | 3.0 | 2×900 | MC |
| 2004-10-20.15 | 2453298.65 | +33.4 | FAST | 3485-7411 | 1.47 | 6-7 | −40.0 | 8.4 | 1.03 | BD28/H600 | 2-3 | 3.0 | 2×900 | MC |
| **SN 2004fd** | | | | | | | | | | | | | | |
| 2004-11-13.33 | 2453322.83 | @0.0 | FAST | 3480-7406 | 1.47 | 6-7 | 85.0 | 2.6 | 1.04 | BD28/BD17 | 2.1 | 3.0 | 900 | MM |
| **SN 2004fu** | | | | | | | | | | | | | | |
| 2004-11-10.17 | 2453319.67 | −6.4 | FAST | 3480-7410 | 1.47 | 6-7 | 110.0 | 2.5 | 1.41 | BD28/BD17 | 1.5 | 3.0 | 1200 | MW |
| 2004-11-11.17 | 2453320.67 | −5.4 | FAST | 3480-7410 | 1.47 | 6-7 | 110.0 | 1.0 | 1.45 | BD28/BD17 | 2 | 3.0 | 1200 | MW, MM |
| 2004-11-13.16 | 2453322.66 | −3.5 | FAST | 3480-7404 | 1.47 | 6-7 | 90.0 | 23.4 | 1.41 | BD28/BD17 | 2 | 3.0 | 1200 | MM |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2004-11-19.07 | 2453328.57 | +2.4 | FAST | 3480-7410 | 1.47 | 6-7 | 68.0 | 76.8 | 1.24 | BD28/BD17 | 1.5 | 3.0 | 2×450 | VH |
| 2004-11-20.11 | 2453329.61 | +3.4 | FAST | 3485-7411 | 1.47 | 6-7 | −49.0 | 4.0 | 1.31 | BD28/BD17 | 1.8 | 3.0 | 900 | VH |
| 2004-11-21.09 | 2453330.59 | +4.4 | FAST | 3490-7414 | 1.47 | 6-7 | −43.0 | 3.5 | 1.28 | BD28/BD17 | 2.0 | 3.0 | 900 | VH |
| 2004-12-02.07 | 2453341.57 | +15.3 | FAST | 3505-7438 | 1.47 | 6-7 | 110.0 | 16.3 | 1.31 | F110/BD17 | 2.0 | 3.0 | 900 | EF |
| 2004-12-09.10 | 2453348.60 | +22.2 | FAST | 3480-7409 | 1.47 | 6-7 | 110.0 | 2.0 | 1.46 | BD28/BD17 | 2-3 | 3.0 | 900 | MC |
| 2004-12-14.09 | 2453353.59 | +27.2 | FAST | 3480-7409 | 1.47 | 6-7 | 0.0 | 71.6 | 1.45 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| **SN 2004fz** | | | | | | | | | | | | | | |
| 2004-11-17.41 | 2453326.91 | −6.8 | FAST | 3480-7409 | 1.47 | 6-7 | 73.0 | 0.3 | 1.56 | F34/H600 | 2 | 3.0 | 900 | WBr |
| **SN 2004gc** | | | | | | | | | | | | | | |
| 2004-12-08.28 | 2453347.78 | +23.5 | FAST | 3480-7409 | 1.47 | 6-7 | −36.0 | 7.6 | 1.14 | BD28/BD17 | 2-3 | 3.0 | 2×1200 | MC |
| **SN 2004gs** | | | | | | | | | | | | | | |
| 2004-12-13.44 | 2453352.94 | −3.2 | FAST | 3485-7411 | 1.47 | 6-7 | 0.0 | 0.6 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2004-12-15.48 | 2453354.98 | −1.2 | FAST | 3485-7411 | 1.47 | 6-7 | 34.0 | 6.3 | 1.06 | F34/HD84 | 4 | 3.0 | 1200 | JHuc |
| 2004-12-16.49 | 2453355.99 | −0.3 | FAST | 3490-7414 | 1.47 | 6-7 | 25.0 | 24.2 | 1.09 | BD28/HD84 | 24 | 3.0 | 1200 | JHuc |
| 2004-12-18.46 | 2453357.96 | +1.7 | FAST | 3490-7416 | 1.47 | 6-7 | 30.0 | 4.2 | 1.05 | BD28/HD84 | 5-10 | 3.0 | 1200 | JHuc |
| 2004-12-19.42 | 2453358.92 | +2.6 | FAST | 3490-7416 | 1.47 | 6-7 | 0.0 | 6.0 | 1.03 | BD28/BD17 | 4 | 3.0 | 1200 | JHuc |
| 2004-12-20.44 | 2453359.94 | +3.6 | FAST | 3490-7416 | 1.47 | 6-7 | 6.0 | 17.7 | 1.04 | F34/BD17 | 1-3 | 3.0 | 1500 | MC |
| 2005-01-06.40 | 2453376.90 | +20.1 | FAST | 3485-7411 | 1.47 | 6-7 | 20.0 | 6.5 | 1.04 | G191/HD19 | 2 | 3.0 | 1200 | EF |
| 2005-01-09.38 | 2453379.88 | +23.0 | FAST | 3485-7411 | 1.47 | 6-7 | 0.0 | 8.1 | 1.03 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| 2005-01-17.35 | 2453387.85 | +30.8 | FAST | 3485-7409 | 1.47 | 6-7 | 0.0 | 3.8 | 1.03 | F34/HD84 | 2-3 | 3.0 | 1800 | PBe |
| 2005-01-18.36 | 2453388.86 | +31.8 | FAST | 3485-7411 | 1.47 | 6-7 | 3.0 | 12.9 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| **SN 2004gz** | | | | | | | | | | | | | | |
| 2005-01-14.53 | 2453385.03 | @0.0 | FAST | 3480-7409 | 1.47 | 6-7 | 75.0 | 5.2 | 1.37 | F34/HD84 | 1.5 | 3.0 | 1800 | WBr |
| **SN 2005A** | | | | | | | | | | | | | | |
| 2005-01-07.25 | 2453377.75 | −2.2 | FAST | 3485-7411 | 1.47 | 6-7 | 40.0 | 7.9 | 1.79 | F34/HD84 | 3 | 3.0 | 1200 | EF |
| 2005-01-08.13 | 2453378.63 | −1.3 | FAST | 3485-7409 | 1.47 | 6-7 | 5.0 | 2.3 | 1.22 | F34/HD84 | 3 | 3.0 | 1200 | PBe |
| 2005-01-10.11 | 2453380.61 | +0.6 | LDSS2 | 3716-9551 | 5.20 | 9-11 | −68.4 | 73.0 | 1.43 | L3864 | ··· | 0.7 | 120 | ··· |
| 2005-01-11.04 | 2453381.54 | +1.5 | LDSS2 | 3690-9514 | 5.20 | 9-11 | −46.6 | 65.9 | 1.16 | L3864 | ··· | 0.7 | 120 | ··· |
| **SN 2005G** | | | | | | | | | | | | | | |
| 2005-01-18.56 | 2453389.06 | @0.0 | FAST | 3485-7409 | 1.47 | 6-7 | 2.0 | 2.1 | 1.12 | F34/HD84 | 1-2 | 3.0 | 600 | MC |
| **SN 2005M** | | | | | | | | | | | | | | |
| 2005-02-01.30 | 2453402.80 | −2.7 | FAST | 3490-7410 | 1.47 | 6-7 | 0.0 | 59.4 | 1.06 | F66/BD26 | 2-3 | 3.0 | 1200 | PBe |
| 2005-02-02.34 | 2453403.84 | −1.7 | FAST | 3490-7414 | 1.47 | 6-7 | −5.0 | 2.8 | 1.01 | F34/HD84 | 2-3 | 3.0 | 1200 | PBe |
| 2005-02-04.26 | 2453405.76 | +0.2 | FAST | 3490-7410 | 1.47 | 6-7 | 110.0 | 4.3 | 1.13 | F34/H600 | 2-4 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-02-09.33 | 2453410.83 | +5.2 | FAST | 3490-7410 | 1.47 | 6-7 | 0.0 | 10.5 | 1.01 | F34/H600 | 2 | 3.0 | 1200 | MM |
| 2005-02-14.29 | 2453415.79 | +10.0 | FAST | 3485-7411 | 1.47 | 6-7 | −40.0 | 4.8 | 1.02 | F34/H600 | 1 | 3.0 | 1200 | MC |
| 2005-03-01.32 | 2453430.82 | +24.7 | FAST | 3485-7411 | 1.47 | 6-7 | 50.0 | 5.5 | 1.04 | G191/BD33 | 1-2 | 3.0 | 1200 | HH |
| 2005-03-04.31 | 2453433.81 | +27.6 | FAST | 3485-7411 | 1.47 | 6-7 | 53.0 | 4.8 | 1.05 | G191/H600 | 1-2 | 3.0 | 1200 | HH |
| 2005-03-09.26 | 2453438.76 | +32.5 | FAST | 3380-7306 | 1.47 | 6-7 | 1.0 | 16.8 | 1.01 | G191/H600 | 1-2 | 3.0 | 1200 | HH |
| 2005-03-17.25 | 2453446.75 | +40.3 | FAST | 3485-7411 | 1.47 | 6-7 | 35.0 | 1.4 | 1.02 | F34/HD84 | 3 | 3.0 | 1800 | CB |
| 2005-04-09.19 | 2453469.69 | +62.7 | FAST | 3490-7410 | 1.47 | 6-7 | 40.0 | 2.8 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1800 | HL |
| **SN 2005am** | | | | | | | | | | | | | | |
| 2005-03-03.30 | 2453432.80 | −2.9 | FAST | 3485-7411 | 1.47 | 6-7 | 16.0 | 1.6 | 1.57 | F34/HD84 | 2 | 3.0 | 480 | HH |
| 2005-03-08.25 | 2453437.75 | +2.0 | FAST | 3485-7411 | 1.47 | 6-7 | 4.0 | 1.7 | 1.50 | G191/H600 | 1-2 | 3.0 | 480 | HH |
| 2005-03-09.25 | 2453438.75 | +3.0 | FAST | 3380-7304 | 1.47 | 6-7 | −2.0 | 6.1 | 1.50 | G191/H600 | 1-2 | 3.0 | 480 | HH |
| 2005-03-10.21 | 2453439.71 | +3.9 | FAST | 3485-7411 | 1.47 | 6-7 | −12.0 | 1.6 | 1.52 | G191/H600 | 1-2 | 3.0 | 480 | JF |
| 2005-03-11.23 | 2453440.73 | +4.9 | FAST | 3490-7409 | 1.47 | 6-7 | 0.0 | 1.6 | 1.49 | F34/HD84 | 1-2 | 3.0 | 480 | JF |
| 2005-03-13.21 | 2453442.71 | +6.9 | FAST | 3485-7414 | 1.47 | 6-7 | −5.0 | 0.2 | 1.50 | F34/HD84 | 1-2 | 3.0 | 480 | JF |
| 2005-03-14.23 | 2453443.73 | +7.9 | FAST | 3485-7409 | 1.47 | 6-7 | 0.0 | 1.8 | 1.49 | F34/HD84 | 1-2 | 3.0 | 480 | JF |
| 2005-03-16.22 | 2453445.72 | +9.9 | FAST | 3485-7411 | 1.47 | 6-7 | 0.0 | 2.9 | 1.49 | G191/HD84 | 3 | 3.0 | 480 | CB |
| 2005-03-17.23 | 2453446.73 | +10.9 | FAST | 3485-7409 | 1.47 | 6-7 | 5.0 | 2.4 | 1.51 | F34/HD84 | 3 | 3.0 | 480 | CB |
| 2005-03-18.18 | 2453447.68 | +11.8 | FAST | 3485-7411 | 1.47 | 6-7 | −12.0 | 0.1 | 1.52 | F34/HD84 | 4 | 3.0 | 600 | ACr |
| 2005-03-21.20 | 2453450.70 | +14.8 | FAST | 3485-7411 | 1.47 | 6-7 | −2.0 | 0.5 | 1.49 | F34/HD84 | 2 | 3.0 | 600 | ACr |
| 2005-03-30.16 | 2453459.66 | +23.7 | FAST | 3490-7414 | 1.47 | 6-7 | −10.0 | 3.5 | 1.50 | F34/HD84 | 2 | 3.0 | 600 | EF, PN |
| 2005-04-02.19 | 2453462.69 | +26.7 | FAST | 3485-7409 | 1.47 | 6-7 | 3.0 | 6.2 | 1.51 | F34/HD84 | 2 | 3.0 | 900 | PN |
| 2005-04-07.17 | 2453467.67 | +31.6 | FAST | 3490-7410 | 1.47 | 6-7 | 0.0 | 7.4 | 1.51 | F34/HD84 | 1-2 | 3.0 | 1200 | HL |
| 2005-04-11.14 | 2453471.64 | +35.6 | FAST | 3490-7409 | 1.47 | 6-7 | 0.0 | 0.6 | 1.49 | F34/HD84 | 1-2 | 3.0 | 900 | HL |
| 2005-04-14.17 | 2453474.67 | +38.6 | FAST | 3485-7411 | 1.47 | 6-7 | 0.0 | 14.6 | 1.54 | F34/HD84 | 1-2 | 3.0 | 900 | MC |
| 2005-05-03.15 | 2453493.65 | +57.4 | FAST | 3485-7411 | 1.47 | 6-7 | 29.0 | 1.8 | 1.70 | BD33/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2005-05-09.14 | 2453499.64 | +63.3 | FAST | 3485-7411 | 1.47 | 6-7 | 30.0 | 0.8 | 1.74 | F34/HD84 | 2 | 3.0 | 1200 | WBr |
| 2005-05-17.14 | 2453507.64 | +71.3 | FAST | 3745-7370 | 1.47 | 6-7 | 36.0 | 0.8 | 1.93 | F34/BD26 | 1.5 | 3.0 | 1500 | WP |
| **SN 2005ao** | | | | | | | | | | | | | | |
| 2005-03-08.52 | 2453438.02 | @0.0 | FAST | 3385-7309 | 1.47 | 6-7 | 43.0 | 5.3 | 1.20 | G191/H600 | 1-2 | 3.0 | 1200 | HH |
| 2005-03-13.51 | 2453443.01 | @4.8 | FAST | 3485-7411 | 1.47 | 6-7 | 40.0 | 5.4 | 1.20 | F34/HD84 | 1-2 | 3.0 | 1800 | JF |
| 2005-03-15.51 | 2453445.01 | @6.7 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 55.0 | 1.20 | BD33/BD26 | 1-2 | 3.0 | 2×1200 | CB |
| **SN 2005bc** | | | | | | | | | | | | | | |
| 2005-04-03.33 | 2453463.83 | −6.1 | FAST | 3485-7409 | 1.47 | 6-7 | 90.0 | 16.5 | 1.05 | F34/HD84 | 2 | 3.0 | 1500 | PN |
| 2005-04-04.46 | 2453464.96 | −5.0 | FAST | 3420-7339 | 1.47 | 6-7 | 100.0 | 1.4 | 1.10 | F34/BD33 | 4 | 3.0 | 2×1800 | PN |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2005bd** | | | | | | | | | | | | | | |
| 2005-04-09.15 | 2453469.65 | @0.0 | FAST | 3490-7409 | 1.47 | 6-7 | 108.0 | 6.3 | 1.30 | F34/HD84 | 1-2 | 3.0 | 1500 | HL |
| **SN 2005be** | | | | | | | | | | | | | | |
| 2005-04-07.39 | 2453467.89 | +7.7 | FAST | 3490-7410 | 1.47 | 6-7 | 0.0 | 1.0 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1800 | HL |
| **SN 2005bl** | | | | | | | | | | | | | | |
| 2005-04-16.34 | 2453476.84 | −5.6 | FAST | 3485-7411 | 1.47 | 6-7 | 40.0 | 22.0 | 1.17 | F34/HD84 | 1-2 | 3.0 | 2×1200 | JGa, PG |
| **SN 2005bo** | | | | | | | | | | | | | | |
| 2005-04-18.21 | 2453478.71 | −0.1 | FAST | 3485-7411 | 1.47 | 6-7 | −28.0 | 2.6 | 1.48 | F34/HD84 | 1-2 | 3.0 | 1020 | MC |
| 2005-05-10.29 | 2453500.79 | +21.7 | FAST | 3485-7411 | 1.47 | 6-7 | 27.0 | 3.7 | 1.56 | BD33/HD84 | 1-2 | 3.0 | 1200 | WBr |
| **SN 2005bv** | | | | | | | | | | | | | | |
| 2005-04-30.37 | 2453490.87 | @0.0 | FAST | 3485-7411 | 1.47 | 6-7 | 68.0 | 2.1 | 1.08 | F34/HD84 | 1-2 | 3.0 | 2×900 | MC |
| 2005-05-02.32 | 2453492.82 | @1.9 | FAST | 3485-7411 | 1.47 | 6-7 | −45.0 | 86.5 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| **SN 2005cc** | | | | | | | | | | | | | | |
| 2005-05-31.20 | 2453521.70 | +2.6 | FAST | 3480-7410 | 1.47 | 6-7 | 80.0 | 81.1 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2005-06-01.23 | 2453522.73 | +3.6 | FAST | 3480-7410 | 1.47 | 6-7 | 90.0 | 47.6 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2005-06-02.21 | 2453523.71 | +4.6 | FAST | 3480-7410 | 1.47 | 6-7 | 90.0 | 67.5 | 1.02 | F34/HD84 | 1-2 | 3.0 | 900 | PBe |
| 2005-06-03.27 | 2453524.77 | +5.6 | FAST | 3485-7411 | 1.47 | 6-7 | −25.0 | 51.1 | 1.11 | F34/HD84 | 1-2 | 3.0 | 1200 | JPi, MC |
| 2005-06-07.20 | 2453528.70 | +9.5 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 57.2 | 1.02 | BD33/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2005-06-12.38 | 2453533.88 | +14.7 | FAST | 3480-7410 | 1.47 | 6-7 | 74.0 | 1.0 | 1.98 | F34/BD33 | 1 | 3.0 | 1500 | MC |
| 2005-06-15.18 | 2453536.68 | +17.4 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 52.9 | 1.02 | BD28/BD26 | 1-2 | 3.0 | 1500 | PBe |
| 2005-06-17.18 | 2453538.68 | +19.4 | FAST | 3490-7410 | 1.47 | 6-7 | −35.0 | 10.8 | 1.03 | F34/BD26 | 1-2 | 3.0 | 1500 | MC |
| 2005-06-28.25 | 2453549.75 | +30.4 | FAST | 3485-7409 | 1.47 | 6-7 | −25.0 | 66.0 | 1.29 | BD28/BD26 | 1-2 | 3.0 | 1200 | RH, MC |
| 2005-07-02.21 | 2453553.71 | +34.4 | FAST | 3485-7411 | 1.47 | 6-7 | 100.0 | 1.4 | 1.15 | BD28/BD26 | 2 | 3.0 | 1500 | JHuc, CHu |
| 2005-07-09.21 | 2453560.71 | +41.3 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 2.7 | 1.23 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| 2005-07-11.17 | 2453562.67 | +43.2 | FAST | 3485-7411 | 1.47 | 6-7 | 107.0 | 3.2 | 1.11 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2005cf** | | | | | | | | | | | | | | |
| 2005-05-31.22 | 2453521.72 | −12.4 | FAST | 3480-7410 | 1.47 | 6-7 | −15.0 | 4.1 | 1.34 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2005-06-01.26 | 2453522.76 | −11.4 | FAST | 3480-7410 | 1.47 | 6-7 | 5.0 | 3.2 | 1.29 | F34/HD84 | 1-2 | 3.0 | 960 | PBe |
| 2005-06-02.24 | 2453523.74 | −10.4 | FAST | 3480-7410 | 1.47 | 6-7 | −8.0 | 1.3 | 1.30 | F34/HD84 | 1-2 | 3.0 | 1080 | PBe |
| 2005-06-03.29 | 2453524.79 | −9.4 | FAST | 3485-7411 | 1.47 | 6-7 | 15.0 | 3.0 | 1.33 | F34/HD84 | 1-2 | 3.0 | 900 | JPi, MC |
| 2005-06-07.23 | 2453528.73 | −5.4 | FAST | 3485-7411 | 1.47 | 6-7 | −7.0 | 1.3 | 1.30 | BD33/HD84 | 2 | 3.0 | 900 | PBe |
| 2005-06-08.25 | 2453529.75 | −4.4 | FAST | 3480-7410 | 1.47 | 6-7 | 6.0 | 1.5 | 1.29 | BD28/HD84 | 1-2 | 3.0 | 900 | PBe |
| 2005-06-09.27 | 2453530.77 | −3.4 | FAST | 3480-7410 | 1.47 | 6-7 | 17.0 | 0.5 | 1.32 | BD28/HD84 | 1-2 | 3.0 | 900 | PBe |
| 2005-06-10.34 | 2453531.84 | −2.3 | FAST | 3480-7410 | 1.47 | 6-7 | 36.0 | 4.6 | 1.67 | F34/HD84 | 1-2 | 3.0 | 900 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-06-11.32 | 2453532.82 | −1.4 | FAST | 3480-7410 | 1.47 | 6-7 | 34.0 | 1.8 | 1.53 | F34/HD84 | 1 | 3.0 | 600 | MC |
| 2005-06-12.36 | 2453533.86 | −0.3 | FAST | 3480-7410 | 1.47 | 6-7 | 46.0 | 1.2 | 2.05 | F34/BD33 | 1 | 3.0 | 780 | MC |
| 2005-06-13.29 | 2453534.79 | +0.6 | FAST | 3485-7409 | 1.47 | 6-7 | 29.0 | 0.2 | 1.42 | BD28/BD33 | 1-2 | 3.0 | 600 | PBe |
| 2005-06-14.31 | 2453535.81 | +1.6 | FAST | 3490-7419 | 1.47 | 6-7 | 36.0 | 0.2 | 1.54 | BD28/BD33 | 1-2 | 3.0 | 600 | PBe |
| 2005-06-15.24 | 2453536.74 | +2.5 | FAST | 3485-7411 | 1.47 | 6-7 | 10.0 | 0.4 | 1.30 | BD28/BD26 | 1-2 | 3.0 | 600 | PBe |
| 2005-06-16.19 | 2453537.69 | +3.5 | FAST | 3494-7401 | 1.47 | 6-7 | −16.0 | 2.4 | 1.31 | BD28/BD26 | 1-2 | 3.0 | 780 | MC |
| 2005-06-17.23 | 2453538.73 | +4.5 | FAST | 3490-7410 | 1.47 | 6-7 | 3.0 | 1.9 | 1.29 | F34/BD26 | 1-2 | 3.0 | 660 | MC |
| 2005-06-29.31 | 2453550.81 | +16.5 | FAST | 3485-7409 | 1.47 | 6-7 | 45.0 | 1.3 | 1.98 | BD28/BD17 | 1-2 | 3.0 | 900 | RH |
| 2005-07-04.23 | 2453555.73 | +21.4 | FAST | 3485-7411 | 1.47 | 6-7 | 21.0 | 4.8 | 1.39 | BD28/BD17 | 1 | 3.0 | 2×900 | JGa |
| 2005-07-06.23 | 2453557.73 | +23.4 | FAST | 3485-7411 | 1.47 | 6-7 | 26.0 | 2.5 | 1.42 | BD28/BD17 | 1 | 3.0 | 900 | JGa |
| 2005-07-07.18 | 2453558.68 | +24.3 | FAST | 3485-7411 | 1.47 | 6-7 | 6.0 | 2.5 | 1.30 | BD28/BD17 | 1 | 3.0 | 900 | EF |
| 2005-07-08.19 | 2453559.69 | +25.3 | FAST | 3485-7409 | 1.47 | 6-7 | 15.0 | 0.1 | 1.32 | BD28/BD17 | 1-2 | 3.0 | 900 | PBe |
| 2005-07-09.23 | 2453560.73 | +26.4 | FAST | 3485-7411 | 1.47 | 6-7 | 35.0 | 2.8 | 1.47 | BD28/BD17 | 1-2 | 3.0 | 900 | PBe |
| 2005-07-10.21 | 2453561.71 | +27.3 | FAST | 3485-7411 | 1.47 | 6-7 | 26.0 | 0.9 | 1.38 | BD28/BD17 | 1-2 | 3.0 | 900 | PBe |
| 2005-07-11.20 | 2453562.70 | +28.3 | FAST | 3485-7411 | 1.47 | 6-7 | 23.0 | 2.0 | 1.38 | BD28/BD17 | 1-2 | 3.0 | 900 | MC |
| 2005-07-12.18 | 2453563.68 | +29.3 | FAST | 3485-7411 | 1.47 | 6-7 | 15.0 | 2.9 | 1.33 | BD28/BD17 | 1-2 | 3.0 | 900 | MC |
| 2005-07-26.18 | 2453577.68 | +43.2 | FAST | 3485-7409 | 1.47 | 6-7 | 30.0 | 0.6 | 1.44 | BD28/BD17 | 1-2 | 3.0 | 900 | PBe |
| 2005-07-28.19 | 2453579.69 | +45.2 | FAST | 3485-7411 | 1.47 | 6-7 | 37.0 | 0.9 | 1.54 | BD28/BD17 | 2-3 | 3.0 | 1200 | PBe |
| 2005-09-03.14 | 2453616.64 | +81.9 | FAST | 3488-7409 | 1.47 | 6-7 | 47.0 | 1.7 | 2.21 | BD33/BD17 | 2-3 | 3.0 | 1200 | MC |
| **SN 2005ch** | | | | | | | | | | | | | | |
| 2005-06-10.28 | 2453531.78 | @0.0 | FAST | 3480-7410 | 1.47 | 6-7 | 39.0 | 2.7 | 1.35 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| **SN 2005cn** | | | | | | | | | | | | | | |
| 2005-06-28.21 | 2453549.71 | @0.0 | FAST | 3547-7410 | 1.47 | 6-7 | 36.0 | 1.4 | 3.09 | BD28/BD26 | 1-2 | 3.0 | 720 | RH, MC |
| **SN 2005cr** | | | | | | | | | | | | | | |
| 2005-06-28.19 | 2453549.69 | @0.0 | FAST | 3565-7410 | 1.47 | 6-7 | 58.0 | 0.5 | 1.52 | BD28/BD26 | 1-2 | 3.0 | 1200 | RH, MC |
| **SN 2005ej** | | | | | | | | | | | | | | |
| 2005-09-25.15 | 2453638.65 | @0.0 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 56.1 | 1.26 | BD28/BD17 | 1-2 | 3.0 | 1200 | NM |
| 2005-09-27.22 | 2453640.72 | @2.0 | FAST | 3485-7411 | 1.47 | 6-7 | 110.0 | 3.0 | 1.44 | BD28/H600 | 1-2 | 3.0 | 1800 | NM, MC |
| 2005-09-28.10 | 2453641.60 | @2.8 | FAST | 3485-7409 | 1.47 | 6-7 | −10.0 | 3.4 | 1.22 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2005el** | | | | | | | | | | | | | | |
| 2005-09-27.47 | 2453640.97 | −5.8 | FAST | 3485-7411 | 1.47 | 6-7 | −27.0 | 4.6 | 1.14 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| 2005-09-28.47 | 2453641.97 | −4.9 | FAST | 3485-7411 | 1.47 | 6-7 | −15.0 | 5.5 | 1.14 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-09-29.48 | 2453642.98 | −3.9 | FAST | 3485-7411 | 1.47 | 6-7 | −15.0 | 0.6 | 1.13 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-10-05.49 | 2453648.99 | +2.1 | FAST | 3485-7411 | 1.47 | 6-7 | 3.0 | 1.4 | 1.12 | BD28/BD17 | 1-2 | 3.0 | 1320 | PBe, ACr |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-10-07.48 | 2453650.98 | +4.0 | FAST | 3485-7411 | 1.47 | 6-7 | 2.0 | 0.6 | 1.12 | BD28/BD17 | 1-2 | 3.0 | 1200 | ACr |
| 2005-10-26.50 | 2453670.00 | +22.8 | FAST | 3485-7411 | 1.47 | 6-7 | 45.0 | 6.1 | 1.23 | BD28/BD17 | 1.8 | 3.0 | 1800 | MM |
| 2005-11-02.40 | 2453676.90 | +29.6 | FAST | 3480-7406 | 1.47 | 6-7 | −5.0 | 3.5 | 1.12 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2005-12-02.43 | 2453706.93 | +59.2 | FAST | 3570-7382 | 1.47 | 6-7 | 45.0 | 3.0 | 1.38 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| **SN 2005eq** | | | | | | | | | | | | | | |
| 2005-10-02.51 | 2453646.01 | −8.2 | FAST | 3485-7411 | 1.47 | 6-7 | 36.0 | 2.5 | 1.59 | BD28/H600 | 1-2 | 3.0 | 1500 | MC |
| 2005-10-05.41 | 2453648.91 | −5.4 | FAST | 3485-7411 | 1.47 | 6-7 | 0.0 | 0.6 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe, ACr |
| 2005-10-07.40 | 2453650.90 | −3.5 | FAST | 3485-7411 | 1.47 | 6-7 | −3.0 | 1.7 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1200 | ACr |
| 2005-10-09.42 | 2453652.92 | −1.5 | FAST | 3485-7411 | 1.47 | 6-7 | 12.0 | 1.8 | 1.31 | BD28/BD17 | 1-2 | 3.0 | 1800 | ACr |
| 2005-10-11.39 | 2453654.89 | +0.4 | FAST | 3485-7411 | 1.47 | 6-7 | −3.0 | 4.1 | 1.28 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-10-12.33 | 2453655.83 | +1.3 | FAST | 3485-7411 | 1.47 | 6-7 | −29.0 | 3.3 | 1.37 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-10-25.38 | 2453668.88 | +14.0 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 76.3 | 1.30 | BD28/BD17 | 1.6 | 3.0 | 1500 | MM |
| 2005-10-28.34 | 2453671.84 | +16.9 | FAST | 3498-7411 | 1.47 | 6-7 | 0.0 | 0.2 | 1.28 | BD28/BD17 | 1.9 | 3.0 | 1500 | MM |
| 2005-11-07.38 | 2453681.88 | +26.6 | FAST | 3495-7421 | 1.47 | 6-7 | 25.0 | 2.4 | 1.39 | BD28/BD17 | 1 | 3.0 | 960 | MC |
| 2005-12-02.27 | 2453706.77 | +50.8 | MMTblue | 4900-8998 | 1.95 | 5-6 | 0.0 | 10.5 | 1.30 | BD28 | ··· | ··· | 2×900 | MM |
| 2005-12-02.28 | 2453706.78 | +50.8 | FAST | 3647-7388 | 1.47 | 6-7 | 12.0 | 4.0 | 1.31 | BD28/BD17 | 1 | 3.0 | 1500 | MC |
| 2005-12-05.24 | 2453709.74 | +53.7 | FAST | 3724-7402 | 1.47 | 6-7 | 0.0 | 2.9 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2005eu** | | | | | | | | | | | | | | |
| 2005-10-07.38 | 2453650.88 | −9.0 | FAST | 3485-7411 | 1.47 | 6-7 | 23.0 | 11.4 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1200 | ACr |
| 2005-10-09.38 | 2453652.88 | −7.1 | FAST | 3485-7411 | 1.47 | 6-7 | 42.0 | 2.1 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1200 | ACr |
| 2005-10-11.37 | 2453654.87 | −5.2 | FAST | 3485-7411 | 1.47 | 6-7 | 12.0 | 29.6 | 1.00 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-10-25.29 | 2453668.79 | +8.3 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 24.2 | 1.01 | BD28/BD17 | 1.6 | 3.0 | 1200 | MM |
| 2005-10-27.36 | 2453670.86 | +10.3 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 18.7 | 1.03 | BD28/BD17 | 1.5 | 3.0 | 1500 | MM |
| 2005-11-09.30 | 2453683.80 | +22.8 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 38.8 | 1.01 | BD28/BD17 | 1 | 3.0 | 1200 | RH |
| 2005-11-25.23 | 2453699.73 | +38.2 | FAST | 3490-7410 | 1.47 | 6-7 | −30.0 | 14.0 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2005hc** | | | | | | | | | | | | | | |
| 2005-10-30.32 | 2453673.82 | +5.4 | FAST | 3502-7405 | 1.47 | 6-7 | 15.0 | 4.6 | 1.21 | BD28/BD17 | 1.6 | 3.0 | 1800 | WP |
| 2005-10-31.29 | 2453674.79 | +6.3 | FAST | 3485-7405 | 1.47 | 6-7 | −1.0 | 5.8 | 1.18 | BD28/BD17 | 1.6 | 3.0 | 1200 | WP |
| 2005-11-05.31 | 2453679.81 | +11.1 | FAST | 3490-7410 | 1.47 | 6-7 | 18.0 | 3.7 | 1.22 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| **SN 2005hf** | | | | | | | | | | | | | | |
| 2005-10-27.27 | 2453670.77 | +8.2 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 86.1 | 1.03 | BD28/BD17 | 1.8 | 3.0 | 1500 | MM |
| 2005-10-28.22 | 2453671.72 | +9.1 | FAST | 3485-7411 | 1.47 | 6-7 | 110.0 | 22.1 | 1.06 | BD28/BD17 | 1.9 | 3.0 | 1200 | MM |
| 2005-10-30.22 | 2453673.72 | +11.0 | FAST | 3485-7405 | 1.47 | 6-7 | −50.0 | 3.3 | 1.06 | BD28/BD17 | 1.6 | 3.0 | 1200 | WP |
| 2005-10-31.24 | 2453674.74 | +12.0 | FAST | 3485-7405 | 1.47 | 6-7 | −46.0 | 17.9 | 1.03 | BD28/BD17 | 1.6 | 3.0 | 1200 | WP |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-11-01.22 | 2453675.72 | +12.9 | FAST | 3480-7406 | 1.47 | 6-7 | −49.0 | 4.3 | 1.06 | BD28/BD17 | 1.6 | 3.0 | 1200 | WP |
| 2005-11-03.26 | 2453677.76 | +14.9 | FAST | 3480-7410 | 1.47 | 6-7 | 44.0 | 39.7 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-11-06.34 | 2453680.84 | +17.8 | FAST | 3490-7420 | 1.47 | 6-7 | 60.0 | 1.0 | 1.20 | BD28/BD17 | 1 | 3.0 | 1500 | MC |
| **SN 2005hk** | | | | | | | | | | | | | | |
| 2005-11-01.19 | 2453675.69 | −9.3 | FAST | 3480-7406 | 1.47 | 6-7 | −20.0 | 4.7 | 1.21 | BD28/BD17 | 1.6 | 3.0 | 1200 | WP |
| 2005-11-02.22 | 2453676.72 | −8.3 | FAST | 3480-7406 | 1.47 | 6-7 | 10.0 | 6.8 | 1.19 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| 2005-11-03.22 | 2453677.72 | −7.3 | FAST | 3480-7410 | 1.47 | 6-7 | 0.0 | 1.8 | 1.19 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-11-04.26 | 2453678.76 | −6.3 | FAST | 3490-7410 | 1.47 | 6-7 | 30.0 | 4.4 | 1.25 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-11-05.22 | 2453679.72 | −5.3 | FAST | 3490-7410 | 1.47 | 6-7 | 1.0 | 4.7 | 1.19 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-11-06.22 | 2453680.72 | −4.3 | FAST | 3490-7420 | 1.47 | 6-7 | 2.0 | 4.1 | 1.19 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-11-07.23 | 2453681.73 | −3.3 | FAST | 3495-7421 | 1.47 | 6-7 | 12.0 | 5.4 | 1.22 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| 2005-11-08.20 | 2453682.70 | −2.4 | FAST | 3495-7421 | 1.47 | 6-7 | 0.0 | 2.7 | 1.19 | BD28/BD17 | 1 | 3.0 | 1800 | PBe |
| 2005-11-09.22 | 2453683.72 | −1.4 | FAST | 3485-7411 | 1.47 | 6-7 | 90.0 | 76.6 | 1.21 | BD28/BD17 | 1 | 3.0 | 1200 | RH |
| 2005-11-25.22 | 2453699.72 | +14.4 | FAST | 3490-7410 | 1.47 | 6-7 | 29.0 | 2.4 | 1.29 | BD28/BD17 | 1-2 | 3.0 | 1080 | MC |
| 2005-12-01.20 | 2453705.70 | +20.3 | FAST | 3495-7411 | 1.47 | 6-7 | 30.0 | 1.9 | 1.30 | BD28/BD17 | 1 | 3.0 | 900 | MC |
| 2005-12-04.15 | 2453708.65 | +23.2 | FAST | 3795-7407 | 1.47 | 6-7 | 14.0 | 1.1 | 1.20 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| 2005-12-08.12 | 2453712.62 | +27.2 | FAST | 3777-7386 | 1.47 | 6-7 | 0.0 | 5.1 | 1.19 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| **SN 2005iq** | | | | | | | | | | | | | | |
| 2005-11-07.21 | 2453681.71 | −6.0 | FAST | 3495-7421 | 1.47 | 6-7 | 6.0 | 4.8 | 1.60 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| **SN 2005kc** | | | | | | | | | | | | | | |
| 2005-11-30.11 | 2453704.61 | +6.7 | FAST | 3500-7408 | 1.47 | 6-7 | 33.0 | 1.3 | 1.17 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2005-12-03.17 | 2453707.67 | +9.8 | FAST | 3490-7414 | 1.47 | 6-7 | 50.0 | 1.5 | 1.50 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-12-05.09 | 2453709.59 | +11.6 | FAST | 3495-7415 | 1.47 | 6-7 | 30.0 | 0.0 | 1.17 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-12-09.08 | 2453713.58 | +15.6 | FAST | 3597-7378 | 1.47 | 6-7 | −12.0 | 43.2 | 1.17 | BD28/BD17 | 1 | 3.0 | 1500 | MC |
| 2005-12-23.08 | 2453727.58 | +29.4 | FAST | 3495-7411 | 1.47 | 6-7 | 47.0 | 2.3 | 1.30 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-12-27.08 | 2453731.58 | +33.3 | FAST | 3500-7410 | 1.47 | 6-7 | 45.0 | 2.0 | 1.34 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| **SN 2005ke** | | | | | | | | | | | | | | |
| 2005-11-25.30 | 2453699.80 | +0.5 | FAST | 3490-7410 | 1.47 | 6-7 | 20.0 | 15.5 | 1.82 | BD28/BD17 | 1-2 | 3.0 | 900 | MC |
| 2005-11-27.27 | 2453701.77 | +2.4 | FAST | 3490-7410 | 1.47 | 6-7 | −4.0 | 2.9 | 1.82 | BD28/BD17 | 1-3 | 3.0 | 1200 | MC |
| 2005-12-01.29 | 2453705.79 | +6.4 | FAST | 3495-7411 | 1.47 | 6-7 | 7.0 | 3.3 | 1.86 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-12-03.27 | 2453707.77 | +8.4 | FAST | 3490-7414 | 1.47 | 6-7 | 0.0 | 2.0 | 1.82 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-12-05.26 | 2453709.76 | +10.4 | FAST | 3584-7378 | 1.47 | 6-7 | 4.0 | 1.4 | 1.82 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-12-06.25 | 2453710.75 | +11.4 | FAST | 3495-7415 | 1.47 | 6-7 | 0.0 | 0.1 | 1.82 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-12-08.26 | 2453712.76 | +13.4 | FAST | 3495-7415 | 1.47 | 6-7 | 0.0 | 3.8 | 1.82 | BD28/BD17 | 1 | 3.0 | 1200 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-12-21.23 | 2453725.73 | +26.3 | FAST | 3490-7410 | 1.47 | 6-7 | 6.0 | 2.5 | 1.84 | BD28/BD17 | 1 | 3.0 | 900 | MC |
| 2005-12-23.21 | 2453727.71 | +28.3 | FAST | 3495-7411 | 1.47 | 6-7 | 0.0 | 0.1 | 1.82 | BD28/BD17 | 1-2 | 3.0 | 900 | PBe |
| 2005-12-26.21 | 2453730.71 | +31.2 | FAST | 3488-7409 | 1.47 | 6-7 | 3.0 | 2.0 | 1.83 | BD28/BD17 | 1 | 3.0 | 900 | MC |
| **SN 2005ki** | | | | | | | | | | | | | | |
| 2005-12-02.52 | 2453707.02 | +1.0 | FAST | 3490-7416 | 1.47 | 6-7 | −20.0 | 4.0 | 1.10 | BD28/BD17 | 1 | 3.0 | 1500 | MC |
| **SN 2005ls** | | | | | | | | | | | | | | |
| 2005-12-21.22 | 2453725.72 | +10.8 | FAST | 3490-7410 | 1.47 | 6-7 | −35.0 | 9.4 | 1.03 | BD28/BD17 | 1 | 3.0 | 1200 | MC |
| 2005-12-27.20 | 2453731.70 | +16.7 | FAST | 3500-7410 | 1.47 | 6-7 | −37.0 | 8.2 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2005lu** | | | | | | | | | | | | | | |
| 2005-12-23.16 | 2453727.66 | +16.6 | FAST | 3495-7411 | 1.47 | 6-7 | 0.0 | 0.9 | 1.52 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2005-12-25.17 | 2453729.67 | +18.5 | FAST | 3492-7413 | 1.47 | 6-7 | 10.0 | 5.2 | 1.53 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2005-12-27.18 | 2453731.68 | +20.5 | FAST | 3500-7410 | 1.47 | 6-7 | 9.0 | 2.9 | 1.56 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2005lz** | | | | | | | | | | | | | | |
| 2005-12-27.29 | 2453731.79 | −4.6 | FAST | 3500-7410 | 1.47 | 6-7 | 79.0 | 1.2 | 1.43 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| **SN 2005mc** | | | | | | | | | | | | | | |
| 2005-12-27.37 | 2453731.87 | −2.2 | FAST | 3500-7410 | 1.47 | 6-7 | −30.0 | 6.8 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| 2006-01-04.38 | 2453739.88 | +5.6 | FAST | 3490-7410 | 1.47 | 6-7 | 11.0 | 1.0 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2005mz** | | | | | | | | | | | | | | |
| 2006-01-03.13 | 2453738.63 | −7.5 | FAST | 3490-7409 | 1.47 | 6-7 | 90.0 | 42.5 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-01-21.13 | 2453756.63 | +10.1 | FAST | 3490-7414 | 1.47 | 6-7 | −5.0 | 26.8 | 1.02 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| 2006-01-23.15 | 2453758.65 | +12.1 | FAST | 3696-7419 | 1.47 | 6-7 | −30.0 | 24.9 | 1.04 | F34/HD84 | 1 | 3.0 | 1500 | MC |
| 2006-01-29.11 | 2453764.61 | +18.0 | FAST | 3698-7366 | 1.47 | 6-7 | 0.0 | 21.3 | 1.02 | F34/HD84 | 2 | 3.0 | 1800 | MC |
| 2006-02-01.15 | 2453767.65 | +21.0 | FAST | 3745-7366 | 1.47 | 6-7 | 110.0 | 0.3 | 1.08 | F34/HD84 | 1-2 | 3.0 | 2×1500 | WP |
| **SN 2005na** | | | | | | | | | | | | | | |
| 2006-01-04.34 | 2453739.84 | −1.5 | FAST | 3490-7410 | 1.47 | 6-7 | 21.0 | 1.2 | 1.06 | F34/HD84 | 1-2 | 3.0 | 900 | PBe |
| 2006-01-07.32 | 2453742.82 | +1.4 | FAST | 3490-7410 | 1.47 | 6-7 | −10.0 | 23.8 | 1.05 | BD17/BD28 | 1-2 | 3.0 | 900 | MC |
| 2006-01-09.43 | 2453744.93 | +3.4 | FAST | 3500-7410 | 1.47 | 6-7 | 60.0 | 0.7 | 1.44 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2006-01-22.27 | 2453757.77 | +15.9 | FAST | 3495-7414 | 1.47 | 6-7 | 0.0 | 3.5 | 1.05 | F34/HD84 | 2 | 3.0 | 1500 | PBe |
| 2006-01-26.39 | 2453761.89 | +19.9 | FAST | 3491-7411 | 1.47 | 6-7 | 60.0 | 0.1 | 1.51 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| 2006-01-30.24 | 2453765.74 | +23.7 | FAST | 3494-7415 | 1.47 | 6-7 | −20.0 | 14.7 | 1.05 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| **SN 2006B** | | | | | | | | | | | | | | |
| 2006-01-09.08 | 2453744.58 | @0.0 | FAST | 3500-7408 | 1.47 | 6-7 | 82.0 | 1.6 | 1.15 | F34/HD84 | 1-2 | 3.0 | 900 | PBe |
| **SN 2006D** | | | | | | | | | | | | | | |
| 2006-01-26.51 | 2453762.01 | +4.5 | FAST | 3491-7412 | 1.47 | 6-7 | 6.0 | 1.4 | 1.34 | F34/HD84 | 2 | 3.0 | 720 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-02-07.45 | 2453773.95 | +16.4 | MMTblue | 3600-8350 | 1.95 | 10-11 | 0.0 | 8.0 | 1.34 | HD19 | ··· | 2.0 | 600,300 | PC |
| **SN 2006E** | | | | | | | | | | | | | | |
| 2006-01-26.53 | 2453762.03 | @0.0 | FAST | 3491-7412 | 1.47 | 6-7 | −3.0 | 0.6 | 1.12 | F34/HD84 | 2 | 3.0 | 720 | PBe |
| **SN 2006H** | | | | | | | | | | | | | | |
| 2006-01-22.11 | 2453757.61 | +4.5 | FAST | 3490-7414 | 1.47 | 6-7 | 0.0 | 3.9 | 1.01 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2006-01-23.13 | 2453758.63 | +5.5 | FAST | 3495-7419 | 1.47 | 6-7 | −17.0 | 12.6 | 1.02 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2006-01-24.15 | 2453759.65 | +6.5 | FAST | 3492-7412 | 1.47 | 6-7 | −30.0 | 28.0 | 1.04 | F34/HD84 | 1 | 3.0 | 1800 | MC |
| 2006-01-25.16 | 2453760.66 | +7.5 | FAST | 3582-7372 | 1.47 | 6-7 | 110.0 | 5.8 | 1.05 | F34/HD84 | 1 | 3.0 | 1800 | MC |
| 2006-01-27.26 | 2453762.76 | +9.6 | FAST | 3490-7410 | 1.47 | 6-7 | 0.0 | 83.4 | 1.41 | F34/HD84 | 2 | 3.0 | 1500 | PBe |
| 2006-01-28.11 | 2453763.61 | +10.4 | FAST | 3545-7405 | 1.47 | 6-7 | 0.0 | 17.0 | 1.01 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| 2006-01-29.13 | 2453764.63 | +11.4 | FAST | 3544-7388 | 1.47 | 6-7 | −15.0 | 33.5 | 1.03 | F34/HD84 | 2 | 3.0 | 1800 | MC |
| 2006-01-30.16 | 2453765.66 | +12.4 | FAST | 3493-7413 | 1.47 | 6-7 | 110.0 | 2.4 | 1.07 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2006-01-31.11 | 2453766.61 | +13.4 | FAST | 3634-7398 | 1.47 | 6-7 | 20.0 | 57.4 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1500 | WP |
| 2006-02-01.11 | 2453767.61 | +14.3 | FAST | 3490-7410 | 1.47 | 6-7 | −25.0 | 17.5 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1500 | WP |
| 2006-02-02.11 | 2453768.61 | +15.3 | FAST | 3738-7390 | 1.47 | 6-7 | −10.0 | 28.3 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-02-03.12 | 2453769.62 | +16.3 | FAST | 3555-7399 | 1.47 | 6-7 | 0.0 | 49.5 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-02-04.11 | 2453770.61 | +17.3 | FAST | 3638-7389 | 1.47 | 6-7 | 0.0 | 45.1 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-02-06.21 | 2453772.71 | +19.4 | FAST | 3802-7361 | 1.47 | 6-7 | 85.0 | 2.5 | 1.30 | F34/HD84 | 1-2 | 3.0 | 1560 | MC |
| **SN 2006N** | | | | | | | | | | | | | | |
| 2006-01-22.23 | 2453757.73 | −3.3 | FAST | 3490-7409 | 1.47 | 6-7 | 0.0 | 0.5 | 1.19 | F34/HD84 | 2 | 3.0 | 900 | PBe |
| 2006-01-24.26 | 2453759.76 | −1.3 | FAST | 3492-7412 | 1.47 | 6-7 | −15.0 | 6.6 | 1.21 | F34/HD84 | 1 | 3.0 | 1800 | MC |
| 2006-01-26.32 | 2453761.82 | +0.7 | FAST | 3522-7400 | 1.47 | 6-7 | 0.0 | 50.3 | 1.30 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2006-01-27.24 | 2453762.74 | +1.6 | FAST | 3490-7410 | 1.47 | 6-7 | 0.0 | 12.5 | 1.20 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2006-01-28.22 | 2453763.72 | +2.6 | FAST | 3490-7409 | 1.47 | 6-7 | −5.0 | 2.7 | 1.19 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2006-01-30.22 | 2453765.72 | +4.6 | FAST | 3491-7412 | 1.47 | 6-7 | 0.0 | 6.0 | 1.19 | F34/HD84 | 2-3 | 3.0 | 1200 | MC |
| 2006-01-31.22 | 2453766.72 | +5.6 | FAST | 3489-7410 | 1.47 | 6-7 | 0.0 | 7.9 | 1.19 | F34/HD84 | 1-2 | 3.0 | 1200 | WP |
| 2006-02-01.21 | 2453767.71 | +6.5 | FAST | 3489-7409 | 1.47 | 6-7 | 0.0 | 6.3 | 1.19 | F34/HD84 | 1-2 | 3.0 | 1200 | WP |
| 2006-02-02.20 | 2453768.70 | +7.5 | FAST | 3491-7411 | 1.47 | 6-7 | 0.0 | 0.0 | 1.19 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2006-02-03.21 | 2453769.71 | +8.5 | FAST | 3490-7411 | 1.47 | 6-7 | −10.0 | 5.4 | 1.19 | F34/HD84 | 2 | 3.0 | 1500 | PBe |
| 2006-02-06.32 | 2453772.82 | +11.6 | FAST | 3492-7412 | 1.47 | 6-7 | 110.0 | 3.9 | 1.40 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-02-23.18 | 2453789.68 | +28.2 | FAST | 3489-7409 | 1.47 | 6-7 | −10.0 | 13.6 | 1.21 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| **SN 2006R** | | | | | | | | | | | | | | |
| 2006-01-29.53 | 2453765.03 | @0.0 | FAST | 3491-7412 | 1.47 | 6-7 | 93.0 | 2.0 | 1.17 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2006S** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-01-28.50 | 2453764.00 | −5.5 | FAST | 3491-7411 | 1.47 | 6-7 | 90.0 | 50.8 | 1.00 | F34/HD84 | 2 | 3.0 | 1500 | PBe |
| 2006-01-29.51 | 2453765.01 | −4.6 | FAST | 3493-7413 | 1.47 | 6-7 | 110.0 | 1.6 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-01-31.49 | 2453766.99 | −2.6 | FAST | 3491-7411 | 1.47 | 6-7 | 90.0 | 64.5 | 1.00 | F34/HD84 | 1-2 | 3.0 | 1500 | WP |
| 2006-02-02.47 | 2453768.97 | −0.7 | FAST | 3492-7413 | 1.47 | 6-7 | 90.0 | 63.3 | 1.00 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-02-03.47 | 2453769.97 | +0.2 | FAST | 3492-7413 | 1.47 | 6-7 | 90.0 | 70.3 | 1.00 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| 2006-02-04.47 | 2453770.97 | +1.2 | FAST | 3491-7412 | 1.47 | 6-7 | 90.0 | 83.4 | 1.00 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-02-06.48 | 2453772.98 | +3.2 | FAST | 3492-7413 | 1.47 | 6-7 | −10.0 | 42.7 | 1.00 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2006-02-07.43 | 2453773.93 | +4.1 | MMTblue | 3600-8350 | 1.95 | 10-11 | 0.0 | 72.5 | 1.01 | HD19 | ··· | 2.0 | 2×600 | PC |
| 2006-02-24.39 | 2453790.89 | +20.5 | FAST | 3789-7419 | 1.47 | 6-7 | 76.0 | 5.7 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| | | | | | **SN 2006X** | | | | | | | | | |
| 2006-02-21.40 | 2453787.90 | +1.3 | FAST | 3491-7411 | 1.47 | 6-7 | 90.0 | 80.4 | 1.04 | F34/HD84 | 1-2 | 3.0 | 900 | PBe |
| 2006-02-22.41 | 2453788.91 | +2.3 | FAST | 3491-7411 | 1.47 | 6-7 | 90.0 | 87.6 | 1.04 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2006-02-24.36 | 2453790.86 | +4.2 | FAST | 3500-7420 | 1.47 | 6-7 | −20.0 | 20.4 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-02-25.36 | 2453791.86 | +5.2 | FAST | 3493-7413 | 1.47 | 6-7 | −20.0 | 13.2 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-02-26.32 | 2453792.82 | +6.2 | FAST | 3494-7414 | 1.47 | 6-7 | 110.0 | 16.7 | 1.16 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-02-27.44 | 2453793.94 | +7.3 | FAST | 3492-7413 | 1.47 | 6-7 | 42.0 | 0.9 | 1.09 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2006-02-28.34 | 2453794.84 | +8.2 | FAST | 3483-7404 | 1.47 | 6-7 | 90.0 | 48.2 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2006-03-02.47 | 2453796.97 | +10.3 | FAST | 3486-7407 | 1.47 | 6-7 | 52.0 | 1.8 | 1.17 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-03-03.41 | 2453797.91 | +11.2 | FAST | 3537-7409 | 1.47 | 6-7 | 17.0 | 7.2 | 1.05 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-03-04.51 | 2453799.01 | +12.3 | FAST | 3488-7408 | 1.47 | 6-7 | 62.0 | 1.1 | 1.43 | F34/HD84 | 1-2 | 3.0 | 900 | MC |
| 2006-03-05.46 | 2453799.96 | +13.3 | FAST | 3488-7408 | 1.47 | 6-7 | 56.0 | 1.3 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2006-03-06.42 | 2453800.92 | +14.2 | FAST | 3489-7410 | 1.47 | 6-7 | 40.0 | 0.4 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2006-03-09.30 | 2453803.80 | +17.1 | FAST | 3483-7403 | 1.47 | 6-7 | −53.0 | 4.3 | 1.11 | F34/HD84 | 3 | 3.0 | 1200 | EF |
| 2006-03-21.30 | 2453815.80 | +29.0 | FAST | 3484-7404 | 1.47 | 6-7 | 90.0 | 58.2 | 1.06 | F34/HD84 | 1.5 | 3.0 | 1200 | WP |
| 2006-03-23.35 | 2453817.85 | +31.1 | FAST | 3484-7404 | 1.47 | 6-7 | 90.0 | 70.1 | 1.05 | F34/BD26 | 2 | 3.0 | 1200 | WP |
| 2006-03-24.34 | 2453818.84 | +32.0 | FAST | 3486-7406 | 1.47 | 6-7 | 90.0 | 76.4 | 1.04 | F34/BD26 | 2 | 3.0 | 1200 | WP, SMa |
| 2006-03-25.46 | 2453819.96 | +33.2 | FAST | 3487-7408 | 1.47 | 6-7 | 90.0 | 28.8 | 1.47 | F34/BD26 | 2 | 3.0 | 1200 | SMa |
| 2006-03-26.26 | 2453820.76 | +34.0 | FAST | 3486-7406 | 1.47 | 6-7 | 90.0 | 41.1 | 1.12 | F34/BD26 | 2 | 3.0 | 1200 | SMa |
| 2006-03-31.39 | 2453825.89 | +39.1 | FAST | 3493-7413 | 1.47 | 6-7 | 54.0 | 1.5 | 1.19 | F34/BD26 | 2 | 3.0 | 1200 | HH |
| 2006-04-03.36 | 2453828.86 | +42.0 | FAST | 3484-7405 | 1.47 | 6-7 | 43.0 | 4.4 | 1.11 | F34/BD26 | 1.5 | 3.0 | 1200 | VA |
| 2006-04-04.33 | 2453829.83 | +43.0 | FAST | 3485-7406 | 1.47 | 6-7 | 30.0 | 6.8 | 1.07 | F34/BD26 | 1.5 | 3.0 | 1200 | VA |
| 2006-04-21.23 | 2453846.73 | +59.8 | FAST | 3485-7406 | 1.47 | 6-7 | −28.0 | 10.3 | 1.04 | F34/HD84 | 1.5 | 3.0 | 1500 | WP |
| 2006-04-24.22 | 2453849.72 | +62.8 | FAST | 3483-7404 | 1.47 | 6-7 | 90.0 | 70.4 | 1.05 | F34/BD26 | 1.5 | 3.0 | 1500 | JHe |
| 2006-05-04.18 | 2453859.68 | +72.7 | FAST | 3488-7409 | 1.47 | 6-7 | −28.0 | 1.8 | 1.06 | F34/HD84 | 1.5-2 | 3.0 | 1500 | TG |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-07-21.16 | 2453937.66 | +150.3 | FAST | 3476-7412 | 1.47 | 6-7 | 62.0 | 0.2 | 1.87 | BD28/BD17 | 1-2 | 3.0 | 1500 | ··· |
| **SN 2006ac** | | | | | | | | | | | | | | |
| 2006-02-21.43 | 2453787.93 | +6.2 | FAST | 3546-7412 | 1.47 | 6-7 | 70.0 | 72.4 | 1.00 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2006-02-22.43 | 2453788.93 | +7.1 | FAST | 3491-7411 | 1.47 | 6-7 | 90.0 | 60.2 | 1.00 | F34/HD84 | 2 | 3.0 | 1500 | PBe |
| 2006-02-24.37 | 2453790.87 | +9.0 | FAST | 3498-7419 | 1.47 | 6-7 | 82.0 | 2.7 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-02-25.38 | 2453791.88 | +10.0 | FAST | 3492-7412 | 1.47 | 6-7 | 77.0 | 5.0 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-02-26.34 | 2453792.84 | +11.0 | FAST | 3494-7415 | 1.47 | 6-7 | 95.0 | 6.6 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-02-28.36 | 2453794.86 | +12.9 | FAST | 3484-7405 | 1.47 | 6-7 | 90.0 | 9.7 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-03-02.48 | 2453796.98 | +15.0 | FAST | 3485-7406 | 1.47 | 6-7 | 93.0 | 4.1 | 1.11 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2006-03-04.54 | 2453799.04 | +17.0 | FAST | 3488-7409 | 1.47 | 6-7 | 79.0 | 0.7 | 1.41 | F34/HD84 | 1-2 | 3.0 | 720 | MC |
| 2006-03-05.48 | 2453799.98 | +17.9 | FAST | 3487-7408 | 1.47 | 6-7 | 90.0 | 1.9 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-03-09.33 | 2453803.83 | +21.7 | FAST | 3482-7402 | 1.47 | 6-7 | 90.0 | 6.9 | 1.04 | F34/HD84 | 3 | 3.0 | 1200 | EF |
| 2006-03-21.35 | 2453815.85 | +33.5 | FAST | 3650-7405 | 1.47 | 6-7 | 90.0 | 55.0 | 1.00 | F34/HD84 | 1.5 | 3.0 | 1500 | WP |
| 2006-03-24.36 | 2453818.86 | +36.4 | FAST | 3486-7407 | 1.47 | 6-7 | 90.0 | 21.9 | 1.01 | F34/BD26 | 2 | 3.0 | 1200 | WP, SMa |
| **SN 2006ak** | | | | | | | | | | | | | | |
| 2006-02-21.33 | 2453787.83 | +7.3 | FAST | 3491-7411 | 1.47 | 6-7 | 90.0 | 23.8 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2006al** | | | | | | | | | | | | | | |
| 2006-02-24.34 | 2453790.84 | +2.5 | FAST | 3639-7420 | 1.47 | 6-7 | −3.0 | 7.0 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-02-25.32 | 2453791.82 | +3.4 | FAST | 3492-7413 | 1.47 | 6-7 | −16.0 | 7.6 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-02-26.29 | 2453792.79 | +4.3 | FAST | 3496-7417 | 1.47 | 6-7 | −28.0 | 7.2 | 1.14 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-02-27.42 | 2453793.92 | +5.4 | FAST | 3492-7413 | 1.47 | 6-7 | 46.0 | 1.0 | 1.36 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-02-28.38 | 2453794.88 | +6.3 | FAST | 3757-7405 | 1.47 | 6-7 | 36.0 | 1.3 | 1.20 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-03-03.35 | 2453797.85 | +9.1 | FAST | 3852-7409 | 1.47 | 6-7 | 18.0 | 7.0 | 1.15 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2006ap** | | | | | | | | | | | | | | |
| 2006-03-04.52 | 2453799.02 | @0.0 | FAST | 3655-7211 | 1.47 | 6-7 | −40.0 | 2.0 | 1.20 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| **SN 2006ax** | | | | | | | | | | | | | | |
| 2006-03-23.31 | 2453817.81 | −9.3 | FAST | 3484-7404 | 1.47 | 6-7 | 5.0 | 4.8 | 1.41 | F34/BD26 | 2 | 3.0 | 1500 | WP |
| 2006-03-24.30 | 2453818.80 | −8.4 | FAST | 3486-7407 | 1.47 | 6-7 | 0.0 | 6.0 | 1.40 | F34/BD26 | 2 | 3.0 | 1500 | WP, SMa |
| 2006-03-26.29 | 2453820.79 | −6.4 | FAST | 3487-7408 | 1.47 | 6-7 | 20.0 | 16.9 | 1.39 | F34/BD26 | 2 | 3.0 | 1500 | SMa |
| 2006-04-02.30 | 2453827.80 | +0.5 | FAST | 3484-7404 | 1.47 | 6-7 | 12.0 | 4.0 | 1.44 | F34/BD26 | 1.5 | 3.0 | 1500 | VA |
| **SN 2006az** | | | | | | | | | | | | | | |
| 2006-03-31.37 | 2453825.87 | −1.0 | FAST | 3492-7413 | 1.47 | 6-7 | 90.0 | 39.5 | 1.17 | F34/BD26 | 2 | 3.0 | 1200 | HH |
| 2006-04-03.30 | 2453828.80 | +1.8 | FAST | 3482-7403 | 1.47 | 6-7 | −5.0 | 6.1 | 1.10 | F34/BD26 | 1.5 | 3.0 | 1500 | VA |
| **SN 2006bb** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-04-02.20 | 2453827.70 | @0.0 | FAST | 3483-7403 | 1.47 | 6-7 | 110.0 | 1.1 | 1.07 | F34/BD26 | 1.5 | 3.0 | 1500 | VA |
| **SN 2006bk** | | | | | | | | | | | | | | |
| 2006-04-21.30 | 2453846.80 | @0.0 | FAST | 3484-7405 | 1.47 | 6-7 | 70.0 | 11.3 | 1.05 | F34/HD84 | 1.5 | 3.0 | 1800 | WP |
| 2006-04-23.31 | 2453848.81 | @1.9 | FAST | 3485-7406 | 1.47 | 6-7 | 20.0 | 55.9 | 1.03 | F34/HD84 | 1.5 | 3.0 | 1500 | JHe |
| **SN 2006bm** | | | | | | | | | | | | | | |
| 2006-04-20.27 | 2453845.77 | @0.0 | FAST | 3482-7403 | 1.47 | 6-7 | 74.0 | 0.5 | 1.07 | F34/HD84 | 1.5 | 3.0 | 1500 | WP |
| **SN 2006bq** | | | | | | | | | | | | | | |
| 2006-04-27.35 | 2453852.85 | +5.3 | FAST | 3482-7403 | 1.47 | 6-7 | 90.0 | 5.0 | 1.34 | F34/HD84 | 2 | 3.0 | 1200 | WBr |
| **SN 2006br** | | | | | | | | | | | | | | |
| 2006-04-27.33 | 2453852.83 | +0.2 | FAST | 3484-7405 | 1.47 | 6-7 | 40.0 | 1.5 | 1.11 | F34/HD84 | 2 | 3.0 | 1500 | WBr |
| 2006-04-30.18 | 2453855.68 | +3.0 | FAST | 3491-7412 | 1.47 | 6-7 | −45.0 | 7.6 | 1.21 | F34/HD84 | 1.5 | 3.0 | 1500 | WBr |
| **SN 2006bt** | | | | | | | | | | | | | | |
| 2006-04-29.41 | 2453854.91 | −2.9 | FAST | 3486-7407 | 1.47 | 6-7 | 35.0 | 9.9 | 1.05 | F34/HD84 | 2 | 3.0 | 1200 | WBr |
| 2006-05-01.39 | 2453856.89 | −1.0 | FAST | 3483-7404 | 1.47 | 6-7 | 32.0 | 3.9 | 1.03 | F34/HD84 | 1.5-2 | 3.0 | 1500 | WBr |
| 2006-05-02.33 | 2453857.83 | −0.1 | FAST | 3487-7408 | 1.47 | 6-7 | −40.0 | 0.9 | 1.04 | F34/HD84 | 1.5-2 | 3.0 | 1500 | WBr |
| 2006-05-03.33 | 2453858.83 | +0.9 | FAST | 3485-7406 | 1.47 | 6-7 | 90.0 | 46.7 | 1.04 | F34/HD84 | 1.5-2 | 3.0 | 1500 | TG |
| 2006-05-04.35 | 2453859.85 | +1.9 | FAST | 3487-7408 | 1.47 | 6-7 | 90.0 | 73.2 | 1.02 | F34/HD84 | 1.5-2 | 3.0 | 1800 | TG |
| 2006-05-05.27 | 2453860.77 | +2.8 | FAST | 3482-7403 | 1.47 | 6-7 | 109.0 | 9.9 | 1.16 | F34/HD84 | 1.5-2 | 3.0 | 1500 | WP |
| 2006-05-07.30 | 2453862.80 | +4.7 | FAST | 3483-7404 | 1.47 | 6-7 | −50.0 | 2.1 | 1.07 | F34/BD17 | 1.5-2 | 3.0 | 1500 | WP |
| 2006-05-08.31 | 2453863.81 | +5.7 | FAST | 3484-7405 | 1.47 | 6-7 | −50.0 | 6.1 | 1.05 | F34/HD84 | 1.5-2 | 3.0 | 1500 | WP |
| 2006-05-19.28 | 2453874.78 | +16.3 | FAST | 3486-7407 | 1.47 | 6-7 | −30.0 | 12.9 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2006bu** | | | | | | | | | | | | | | |
| 2006-05-05.19 | 2453860.69 | +3.5 | FAST | 3485-7406 | 1.47 | 6-7 | −20.0 | 22.2 | 1.27 | F34/HD84 | 1.5-2 | 3.0 | 1800 | WP |
| **SN 2006bw** | | | | | | | | | | | | | | |
| 2006-05-02.31 | 2453857.81 | +4.9 | FAST | 3487-7408 | 1.47 | 6-7 | 0.0 | 0.9 | 1.13 | F34/HD84 | 1.5-2 | 3.0 | 1500 | WBr |
| **SN 2006bz** | | | | | | | | | | | | | | |
| 2006-05-06.16 | 2453861.66 | −1.4 | FAST | 3483-7404 | 1.47 | 6-7 | 100.0 | 5.9 | 1.08 | F34/BD17 | 1.5-2 | 3.0 | 1500 | WP |
| 2006-05-07.22 | 2453862.72 | −0.3 | FAST | 3482-7403 | 1.47 | 6-7 | 10.0 | 49.5 | 1.00 | F34/BD17 | 1.5-2 | 3.0 | 1500 | WP |
| 2006-05-08.23 | 2453863.73 | +0.7 | FAST | 3483-7404 | 1.47 | 6-7 | 20.0 | 22.8 | 1.00 | F34/HD84 | 1.5-2 | 3.0 | 1500 | WP |
| **SN 2006cc** | | | | | | | | | | | | | | |
| 2006-05-08.34 | 2453863.84 | −9.7 | FAST | 3483-7404 | 1.47 | 6-7 | 40.0 | 13.9 | 1.02 | F34/HD84 | 1.5-2 | 3.0 | 1800 | WP |
| **SN 2006cf** | | | | | | | | | | | | | | |
| 2006-05-19.25 | 2453874.75 | +1.8 | FAST | 3485-7406 | 1.47 | 6-7 | 101.0 | 10.0 | 1.35 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-05-20.16 | 2453875.66 | +2.7 | FAST | 3484-7405 | 1.47 | 6-7 | −45.0 | 12.7 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-05-21.27 | 2453876.77 | +3.7 | FAST | 3484-7405 | 1.47 | 6-7 | 88.0 | 2.6 | 1.49 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-05-22.26 | 2453877.76 | +4.7 | FAST | 3482-7403 | 1.47 | 6-7 | 88.0 | 2.1 | 1.47 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-05-24.21 | 2453879.71 | +6.5 | FAST | 3476-7397 | 1.47 | 6-7 | 96.0 | 1.3 | 1.25 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-06-04.22 | 2453890.72 | +17.1 | FAST | 3483-7404 | 1.47 | 6-7 | 90.0 | 2.8 | 1.44 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-06-18.19 | 2453904.69 | +30.5 | FAST | 3483-7404 | 1.47 | 6-7 | 87.0 | 1.9 | 1.50 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2006cj** | | | | | | | | | | | | | | |
| 2006-05-21.29 | 2453876.79 | −2.1 | FAST | 3484-5974 | 1.47 | 6-7 | 55.0 | 19.7 | 1.19 | F34/HD84 | 1-2 | 3.0 | 1320 | MC |
| 2006-05-22.29 | 2453877.79 | −1.2 | FAST | 3482-7403 | 1.47 | 6-7 | 60.0 | 14.8 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-05-23.33 | 2453878.83 | −0.2 | FAST | 3484-7405 | 1.47 | 6-7 | 72.0 | 0.3 | 1.41 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-05-28.19 | 2453883.69 | +4.4 | FAST | 3486-7407 | 1.47 | 6-7 | 48.0 | 13.8 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-05-29.26 | 2453884.76 | +5.4 | FAST | 3485-7406 | 1.47 | 6-7 | 50.0 | 24.9 | 1.16 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-06-01.28 | 2453887.78 | +8.2 | FAST | 3483-7404 | 1.47 | 6-7 | 74.0 | 0.2 | 1.27 | BD28/BD26 | 1-2 | 3.0 | 1800 | PBe |
| 2006-06-02.21 | 2453888.71 | +9.1 | FAST | 3483-7404 | 1.47 | 6-7 | 40.0 | 33.9 | 1.05 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-06-04.27 | 2453890.77 | +11.0 | FAST | 3482-7403 | 1.47 | 6-7 | 50.0 | 23.9 | 1.26 | F34/HD84 | 1-2 | 3.0 | 2400 | MC |
| **SN 2006cm** | | | | | | | | | | | | | | |
| 2006-05-28.45 | 2453883.95 | −1.9 | FAST | 3486-7407 | 1.47 | 6-7 | −35.0 | 4.0 | 1.30 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-05-29.46 | 2453884.96 | −1.0 | FAST | 3486-7407 | 1.47 | 6-7 | −32.0 | 4.6 | 1.27 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| **SN 2006cp** | | | | | | | | | | | | | | |
| 2006-05-30.25 | 2453885.75 | −11.2 | FAST | 3484-7405 | 1.47 | 6-7 | 67.0 | 0.5 | 1.24 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-05-31.25 | 2453886.75 | −10.3 | FAST | 3484-7405 | 1.47 | 6-7 | 66.0 | 0.7 | 1.26 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-06-01.26 | 2453887.76 | −9.3 | FAST | 3482-7403 | 1.47 | 6-7 | 67.0 | 0.0 | 1.35 | BD28/BD26 | 1-2 | 3.0 | 1500 | PBe |
| 2006-06-02.16 | 2453888.66 | −8.4 | FAST | 3483-7404 | 1.47 | 6-7 | 42.0 | 7.6 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-06-04.24 | 2453890.74 | −6.3 | FAST | 3483-7404 | 1.47 | 6-7 | 67.0 | 0.1 | 1.31 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-06-17.21 | 2453903.71 | +6.3 | FAST | 3483-7404 | 1.47 | 6-7 | 67.0 | 0.0 | 1.33 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-06-18.21 | 2453904.71 | +7.3 | FAST | 3483-7404 | 1.47 | 6-7 | 67.0 | 0.0 | 1.36 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-06-20.19 | 2453906.69 | +9.3 | FAST | 3483-7404 | 1.47 | 6-7 | 66.0 | 0.7 | 1.27 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2006-07-21.18 | 2453937.68 | +39.6 | FAST | 3476-7412 | 1.47 | 6-7 | 66.0 | 1.0 | 2.11 | BD28/BD17 | 1-2 | 3.0 | 1500 | ··· |
| 2006-07-22.17 | 2453938.67 | +40.5 | FAST | 3476-7414 | 1.47 | 6-7 | 66.0 | 0.3 | 1.88 | BD28/BD17 | 1-2 | 3.0 | 1500 | ··· |
| 2006-07-23.17 | 2453939.67 | +41.5 | FAST | 3475-7413 | 1.47 | 6-7 | 66.0 | 0.4 | 1.90 | BD28/BD17 | 1-2 | 3.0 | 1500 | ··· |
| **SN 2006cq** | | | | | | | | | | | | | | |
| 2006-05-31.27 | 2453886.77 | −3.3 | FAST | 3484-7405 | 1.47 | 6-7 | 80.0 | 0.1 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| **SN 2006cs** | | | | | | | | | | | | | | |
| 2006-06-05.26 | 2453891.76 | @0.0 | FAST | 3483-7404 | 1.47 | 6-7 | 90.0 | 0.4 | 1.10 | F34/HD84 | 1-2 | 3.0 | 780 | PBe |
| **SN 2006cz** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-06-17.24 | 2453903.74 | −3.9 | FAST | 3483-7404 | 1.47 | 6-7 | 17.0 | 5.0 | 1.30 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-06-19.26 | 2453905.76 | −2.0 | FAST | 3481-7402 | 1.47 | 6-7 | 90.0 | 57.9 | 1.39 | F34/HD84 | 1-2 | 3.0 | 1500 | MC, GE |
| 2006-06-20.24 | 2453906.74 | −1.0 | FAST | 3483-7404 | 1.47 | 6-7 | 43.0 | 18.4 | 1.32 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| **SN 2006da** | | | | | | | | | | | | | | |
| 2006-06-17.44 | 2453903.94 | @0.0 | FAST | 3482-7405 | 1.47 | 6-7 | 110.0 | 13.0 | 1.28 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2006-06-19.45 | 2453905.95 | @1.9 | FAST | 3481-7404 | 1.47 | 6-7 | 110.0 | 16.2 | 1.20 | F34/HD84 | 1-2 | 3.0 | 1260 | MC |
| **SN 2006dt** | | | | | | | | | | | | | | |
| 2006-07-21.20 | 2453937.70 | @0.0 | FAST | 3476-7412 | 1.47 | 6-7 | 52.0 | 1.0 | 1.42 | BD28/BD17 | 1-2 | 3.0 | 1200 | ··· |
| 2006-07-22.19 | 2453938.69 | @1.0 | FAST | 3476-7414 | 1.47 | 6-7 | 49.0 | 2.1 | 1.36 | BD28/BD17 | 1-2 | 3.0 | 1500 | ··· |
| 2006-07-23.19 | 2453939.69 | @1.9 | FAST | 3475-7413 | 1.47 | 6-7 | 50.0 | 1.4 | 1.37 | BD28/BD17 | 1-2 | 3.0 | 1500 | ··· |
| **SN 2006dv** | | | | | | | | | | | | | | |
| 2006-07-25.43 | 2453941.93 | @0.0 | FAST | 3477-7415 | 1.47 | 6-7 | 0.0 | 6.2 | 1.12 | BD28/BD17 | 1-2 | 3.0 | 1274 | PBe |
| **SN 2006em** | | | | | | | | | | | | | | |
| 2006-09-02.41 | 2453980.91 | +3.7 | FAST | 3476-7412 | 1.47 | 6-7 | 90.0 | 26.7 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| **SN 2006eq** | | | | | | | | | | | | | | |
| 2006-09-02.26 | 2453980.76 | +4.7 | FAST | 3477-7415 | 1.47 | 6-7 | 0.0 | 0.0 | 1.16 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2006et** | | | | | | | | | | | | | | |
| 2006-09-18.36 | 2453996.86 | +2.4 | FAST | 3476-7412 | 1.47 | 6-7 | 15.0 | 12.7 | 1.75 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2006-09-22.37 | 2454000.87 | +6.3 | FAST | 3478-7414 | 1.47 | 6-7 | 15.0 | 4.1 | 1.80 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2006eu** | | | | | | | | | | | | | | |
| 2006-09-16.17 | 2453994.67 | +8.0 | FAST | 3477-7413 | 1.47 | 6-7 | 3.0 | 9.5 | 1.05 | BD28/H600 | 1-2 | 3.0 | 1500 | MC |
| **SN 2006ev** | | | | | | | | | | | | | | |
| 2006-09-16.23 | 2453994.73 | +5.5 | FAST | 3478-7414 | 1.47 | 6-7 | −1.0 | 7.9 | 1.05 | BD28/H600 | 1-2 | 3.0 | 1200 | MC |
| **SN 2006gj** | | | | | | | | | | | | | | |
| 2006-09-20.43 | 2453998.93 | −0.7 | FAST | 3484-7420 | 1.47 | 6-7 | −10.0 | 4.0 | 1.21 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| 2006-09-24.46 | 2454002.96 | +3.2 | FAST | 3477-7413 | 1.47 | 6-7 | 6.0 | 5.0 | 1.21 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| **SN 2006gr** | | | | | | | | | | | | | | |
| 2006-09-23.22 | 2454001.72 | −10.8 | FAST | 3478-7414 | 1.47 | 6-7 | 98.0 | 0.2 | 1.01 | BD28/BD17 | 1-2 | 3.0 | 2100 | MC |
| 2006-09-24.26 | 2454002.76 | −9.8 | FAST | 3476-7412 | 1.47 | 6-7 | 58.0 | 20.5 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2006-09-25.23 | 2454003.73 | −8.9 | FAST | 3476-7414 | 1.47 | 6-7 | 90.0 | 14.6 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2006-09-26.25 | 2454004.75 | −7.9 | FAST | 3475-7411 | 1.47 | 6-7 | 0.0 | 73.7 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| 2006-09-27.30 | 2454005.80 | −6.9 | FAST | 3479-7415 | 1.47 | 6-7 | 90.0 | 8.5 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2006-09-28.18 | 2454006.68 | −6.0 | FAST | 3475-7411 | 1.47 | 6-7 | 99.0 | 1.0 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1800 | TC, MC |
| 2006-09-29.13 | 2454007.63 | −5.1 | FAST | 3475-7411 | 1.47 | 6-7 | 102.0 | 0.9 | 1.16 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-09-30.30 | 2454008.80 | −4.0 | FAST | 3476-7412 | 1.47 | 6-7 | 82.0 | 1.0 | 1.08 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2006-10-02.26 | 2454010.76 | −2.1 | FAST | 3479-7417 | 1.47 | 6-7 | 82.0 | 0.3 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1800 | TC |
| 2006-10-03.26 | 2454011.76 | −1.1 | FAST | 3483-7421 | 1.47 | 6-7 | 82.0 | 0.3 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1800 | TC |
| 2006-10-14.14 | 2454022.64 | +9.4 | FAST | 3478-7414 | 1.47 | 6-7 | 90.0 | 7.8 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1500 | EM |
| 2006-10-17.24 | 2454025.74 | +12.4 | FAST | 3525-7461 | 1.47 | 6-7 | 90.0 | 8.5 | 1.06 | BD28/BD17 | 2 | 3.0 | 2×1500 | EM |
| 2006-10-23.18 | 2454031.68 | +18.1 | FAST | 3479-7415 | 1.47 | 6-7 | 100.0 | 24.5 | 1.00 | BD28/BD17 | 3 | 3.0 | 1500 | WP |
| 2006-10-28.16 | 2454036.66 | +22.9 | FAST | 3478-7414 | 1.47 | 6-7 | −40.0 | 67.0 | 1.00 | BD28/BD17 | 2-3 | 3.0 | 1800 | SB, MC |
| 2006-10-29.23 | 2454037.73 | +24.0 | FAST | 3478-7414 | 1.47 | 6-7 | 81.0 | 0.5 | 1.10 | BD28/BD17 | 1-2 | 3.0 | 1800 | SB, MC |
| 2006-11-14.11 | 2454053.61 | +39.3 | FAST | 3477-7413 | 1.47 | 6-7 | 0.0 | 72.3 | 1.00 | BD28/BD17 | 2-3 | 3.0 | 1800 | GN |
| 2006-11-23.16 | 2454062.66 | +48.1 | FAST | 3478-7414 | 1.47 | 6-7 | 90.0 | 9.6 | 1.10 | BD28/BD17 | 2 | 3.0 | 1080 | WP |
| **SN 2006gt** | | | | | | | | | | | | | | |
| 2006-09-25.36 | 2454003.86 | +1.4 | FAST | 3482-7418 | 1.47 | 6-7 | 7.0 | 1.0 | 1.20 | BD28/BD17 | 2 | 3.0 | 1500 | PBe |
| 2006-09-26.38 | 2454004.88 | +2.3 | FAST | 3477-7413 | 1.47 | 6-7 | 21.0 | 1.4 | 1.23 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2006-09-27.37 | 2454005.87 | +3.3 | FAST | 3479-7417 | 1.47 | 6-7 | 17.0 | 1.5 | 1.23 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2006gz** | | | | | | | | | | | | | | |
| 2006-09-28.13 | 2454006.63 | −13.3 | FAST | 3476-7412 | 1.47 | 6-7 | 82.0 | 1.1 | 1.10 | BD28/BD17 | 1-2 | 3.0 | 1500 | TC, MC |
| 2006-09-29.10 | 2454007.60 | −12.3 | FAST | 3476-7412 | 1.47 | 6-7 | 97.0 | 14.6 | 1.05 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2006-09-30.13 | 2454008.63 | −11.3 | FAST | 3476-7412 | 1.47 | 6-7 | 81.0 | 1.0 | 1.13 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2006-10-02.15 | 2454010.65 | −9.3 | FAST | 3479-7415 | 1.47 | 6-7 | 79.0 | 1.3 | 1.23 | BD28/BD17 | 1-2 | 3.0 | 1500 | TC |
| 2006-10-03.13 | 2454011.63 | −8.4 | FAST | 3478-7414 | 1.47 | 6-7 | 80.0 | 0.7 | 1.16 | BD28/BD17 | 1-2 | 3.0 | 1500 | TC |
| 2006-10-19.13 | 2454027.63 | +7.3 | FAST | 3479-7415 | 1.47 | 6-7 | 72.0 | 3.4 | 1.36 | BD28/BD17 | 2 | 3.0 | 1200 | WP |
| 2006-10-20.12 | 2454028.62 | +8.2 | FAST | 3479-7415 | 1.47 | 6-7 | 90.0 | 14.3 | 1.34 | BD28/BD17 | 2 | 3.0 | 1200 | WP |
| 2006-10-21.12 | 2454029.62 | +9.2 | FAST | 3479-7415 | 1.47 | 6-7 | 70.0 | 6.1 | 1.32 | BD28/BD17 | 2 | 3.0 | 1200 | WP |
| 2006-10-22.09 | 2454030.59 | +10.2 | FAST | 3480-7416 | 1.47 | 6-7 | 90.0 | 12.0 | 1.22 | BD28/BD17 | 2 | 3.0 | 1200 | WP |
| 2006-10-23.09 | 2454031.59 | +11.1 | FAST | 3479-7415 | 1.47 | 6-7 | 90.0 | 11.9 | 1.21 | BD28/BD17 | 3 | 3.0 | 1200 | WP |
| **SN 2006hb** | | | | | | | | | | | | | | |
| 2006-09-28.51 | 2454007.01 | +6.8 | FAST | 3477-7413 | 1.47 | 6-7 | 2.0 | 3.5 | 1.66 | BD28/BD17 | 1-2 | 3.0 | 780 | TC, MC |
| 2006-09-29.51 | 2454008.01 | +7.7 | FAST | 3476-7412 | 1.47 | 6-7 | 0.0 | 6.2 | 1.66 | BD28/BD17 | 1-2 | 3.0 | 1020 | MC |
| 2006-09-30.50 | 2454009.00 | +8.7 | FAST | 3479-7415 | 1.47 | 6-7 | 0.0 | 3.5 | 1.66 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2006-10-01.52 | 2454010.02 | +9.7 | FAST | 3479-7415 | 1.47 | 6-7 | −9.0 | 19.4 | 1.69 | BD28/BD17 | 1-2 | 3.0 | 497 | MC |
| 2006-10-02.47 | 2454010.97 | +10.7 | FAST | 3480-7416 | 1.47 | 6-7 | −11.0 | 2.7 | 1.67 | BD28/BD17 | 1-2 | 3.0 | 1200 | TC |
| 2006-10-03.51 | 2454012.01 | +11.7 | FAST | 3483-7421 | 1.47 | 6-7 | 5.0 | 3.3 | 1.67 | BD28/BD17 | 1-2 | 3.0 | 1200 | TC |
| 2006-10-15.47 | 2454023.97 | +23.5 | FAST | 3477-7413 | 1.47 | 6-7 | 1.0 | 4.3 | 1.66 | BD28/BD17 | 2 | 3.0 | 1500 | EM |
| 2006-10-22.39 | 2454030.89 | +30.3 | FAST | 3478-7414 | 1.47 | 6-7 | 70.0 | 88.3 | 1.76 | BD28/BD17 | 2 | 3.0 | 1500 | WP |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2006je** | | | | | | | | | | | | | | |
| 2006-10-19.38 | 2454027.88 | @0.0 | FAST | 3479-7415 | 1.47 | 6-7 | 90.0 | 2.4 | 1.07 | BD28/BD17 | 3.5 | 3.0 | 1800 | WP |
| **SN 2006ke** | | | | | | | | | | | | | | |
| 2006-10-21.46 | 2454029.96 | @0.0 | FAST | 3477-7413 | 1.47 | 6-7 | −15.0 | 21.8 | 1.22 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2006-10-27.46 | 2454035.96 | @5.9 | FAST | 3476-7412 | 1.47 | 6-7 | 0.0 | 2.4 | 1.22 | BD28/BD17 | 2-3 | 3.0 | 1800 | MC |
| **SN 2006kf** | | | | | | | | | | | | | | |
| 2006-10-27.39 | 2454035.89 | −5.2 | FAST | 3478-7414 | 1.47 | 6-7 | 0.0 | 14.0 | 1.10 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| **SN 2006le** | | | | | | | | | | | | | | |
| 2006-10-27.52 | 2454036.02 | −11.7 | FAST | 3476-7412 | 1.47 | 6-7 | −40.0 | 13.0 | 1.27 | BD28/BD17 | 2-3 | 3.0 | 1500 | MC |
| 2006-10-30.43 | 2454038.93 | −8.8 | FAST | 3476-7412 | 1.47 | 6-7 | −5.0 | 7.6 | 1.17 | BD28/BD17 | 3 | 3.0 | 1800 | SB |
| 2006-10-31.45 | 2454039.95 | −7.8 | FAST | 3476-7412 | 1.47 | 6-7 | −14.0 | 8.1 | 1.18 | BD28/BD17 | 2-3 | 3.0 | 1500 | SB |
| 2006-11-01.43 | 2454040.93 | −6.8 | FAST | 3476-7412 | 1.47 | 6-7 | −4.0 | 7.5 | 1.17 | BD28/BD17 | 2-3 | 3.0 | 1800 | SB |
| 2006-11-11.39 | 2454050.89 | +2.9 | FAST | 3476-7412 | 1.47 | 6-7 | 3.0 | 9.9 | 1.16 | BD28/BD17 | 2-3 | 3.0 | 2400 | GN |
| 2006-11-12.40 | 2454051.90 | +3.9 | FAST | 3476-7412 | 1.47 | 6-7 | −5.0 | 6.8 | 1.17 | BD28/BD17 | 2-3 | 3.0 | 1800 | GN |
| 2006-11-14.38 | 2454053.88 | +5.9 | FAST | 3476-7412 | 1.47 | 6-7 | 0.0 | 3.9 | 1.16 | BD28/BD17 | 2-3 | 3.0 | 1800 | GN |
| 2006-11-15.44 | 2454054.94 | +6.9 | FAST | 3477-7413 | 1.47 | 6-7 | −38.0 | 2.4 | 1.22 | BD28/BD17 | 2-3 | 3.0 | 1500 | LM |
| 2006-11-16.42 | 2454055.92 | +7.9 | FAST | 3478-7414 | 1.47 | 6-7 | −27.0 | 2.4 | 1.19 | BD28/BD17 | 2-3 | 3.0 | 1500 | LM |
| 2006-11-17.44 | 2454056.94 | +8.9 | FAST | 3477-7413 | 1.47 | 6-7 | −35.0 | 5.2 | 1.22 | BD28/BD17 | 2-3 | 3.0 | 1500 | LM |
| 2006-11-19.40 | 2454058.90 | +10.8 | FAST | 3478-7414 | 1.47 | 6-7 | −5.0 | 19.6 | 1.18 | BD28/BD17 | 2 | 3.0 | 1500 | WP |
| 2006-11-21.37 | 2454060.87 | +12.8 | FAST | 3478-7414 | 1.47 | 6-7 | 5.0 | 12.5 | 1.16 | BD28/BD17 | 2 | 3.0 | 1500 | WP |
| 2006-11-22.38 | 2454061.88 | +13.7 | FAST | 3478-7414 | 1.47 | 6-7 | −10.0 | 6.7 | 1.17 | BD28/BD17 | 2 | 3.0 | 1500 | WP |
| 2006-11-23.36 | 2454062.86 | +14.7 | FAST | 3477-7413 | 1.47 | 6-7 | 0.0 | 8.0 | 1.16 | BD28/BD17 | 2 | 3.0 | 1080 | WP |
| 2006-11-25.36 | 2454064.86 | +16.7 | FAST | 3477-7413 | 1.47 | 6-7 | 90.0 | 81.9 | 1.16 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2006-12-12.30 | 2454081.80 | +33.3 | FAST | 3475-7411 | 1.47 | 6-7 | 90.0 | 88.3 | 1.16 | BD28/BD17 | 2 | 3.0 | 1800 | PBe |
| 2006-12-14.30 | 2454083.80 | +35.3 | FAST | 3475-7411 | 1.47 | 6-7 | 0.0 | 6.8 | 1.16 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2006-12-16.33 | 2454085.83 | +37.3 | FAST | 3475-7411 | 1.47 | 6-7 | −25.0 | 0.4 | 1.18 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| 2006-12-17.29 | 2454086.79 | +38.2 | FAST | 3476-7412 | 1.47 | 6-7 | 90.0 | 88.4 | 1.16 | BD28/BD17 | 2 | 3.0 | 1800 | PBe |
| 2006-12-20.38 | 2454089.88 | +41.3 | FAST | 3476-7411 | 1.47 | 6-7 | −30.0 | 27.6 | 1.30 | F34/H600 | 2-3 | 3.0 | 1800 | MC |
| 2006-12-22.27 | 2454091.77 | +43.1 | FAST | 3479-7415 | 1.47 | 6-7 | 9.0 | 8.4 | 1.16 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| 2006-12-26.28 | 2454095.78 | +47.1 | FAST | 3476-7412 | 1.47 | 6-7 | 90.0 | 76.7 | 1.17 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-12-27.32 | 2454096.82 | +48.1 | FAST | 3476-7412 | 1.47 | 6-7 | −30.0 | 6.8 | 1.21 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2006lf** | | | | | | | | | | | | | | |
| 2006-10-28.51 | 2454037.01 | −8.4 | FAST | 3478-7414 | 1.47 | 6-7 | 103.0 | 4.1 | 1.19 | BD28/BD17 | 3-4 | 3.0 | 1800 | SB |
| 2006-10-29.40 | 2454037.90 | −7.5 | FAST | 3477-7413 | 1.47 | 6-7 | 21.0 | 19.0 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1800 | SB |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006-10-30.41 | 2454038.91 | −6.5 | FAST | 3477-7413 | 1.47 | 6-7 | 20.0 | 33.6 | 1.03 | BD28/BD17 | 3 | 3.0 | 1800 | SB |
| 2006-10-31.42 | 2454039.92 | −5.5 | FAST | 3477-7413 | 1.47 | 6-7 | −16.0 | 16.5 | 1.03 | BD28/BD17 | 2-3 | 3.0 | 1800 | SB |
| 2006-11-01.40 | 2454040.90 | −4.5 | FAST | 3477-7413 | 1.47 | 6-7 | 4.0 | 17.1 | 1.03 | BD28/BD17 | 2-3 | 3.0 | 1800 | SB |
| 2006-11-11.36 | 2454050.86 | +5.3 | FAST | 3476-7412 | 1.47 | 6-7 | 21.0 | 17.4 | 1.02 | BD28/BD17 | 2-3 | 3.0 | 1800 | GN |
| 2006-11-12.37 | 2454051.87 | +6.3 | FAST | 3477-7413 | 1.47 | 6-7 | 10.0 | 20.7 | 1.02 | BD28/BD17 | 2-3 | 3.0 | 1800 | GN |
| 2006-11-13.36 | 2454052.86 | +7.3 | FAST | 3476-7412 | 1.47 | 6-7 | 0.0 | 2.4 | 1.02 | BD28/BD17 | 2-3 | 3.0 | 1800 | GN |
| 2006-11-15.42 | 2454054.92 | +9.3 | FAST | 3477-7413 | 1.47 | 6-7 | −55.0 | 7.4 | 1.08 | BD28/BD17 | 2-3 | 3.0 | 1800 | LM |
| 2006-11-16.39 | 2454055.89 | +10.3 | FAST | 3478-7414 | 1.47 | 6-7 | −40.0 | 7.6 | 1.05 | BD28/BD17 | 2-3 | 3.0 | 1800 | LM |
| 2006-11-17.42 | 2454056.92 | +11.3 | FAST | 3479-7415 | 1.47 | 6-7 | 110.0 | 5.9 | 1.08 | BD28/BD17 | 2-3 | 3.0 | 1800 | LM |
| 2006-11-19.35 | 2454058.85 | +13.2 | FAST | 3479-7415 | 1.47 | 6-7 | 5.0 | 17.9 | 1.03 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2006-11-22.35 | 2454061.85 | +16.1 | FAST | 3478-7414 | 1.47 | 6-7 | 90.0 | 73.1 | 1.03 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2006-11-25.34 | 2454064.84 | +19.1 | FAST | 3478-7414 | 1.47 | 6-7 | 90.0 | 81.3 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2006-12-14.28 | 2454083.78 | +37.8 | FAST | 3476-7412 | 1.47 | 6-7 | 13.0 | 16.6 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2006-12-16.30 | 2454085.80 | +39.8 | FAST | 3476-7412 | 1.47 | 6-7 | −28.0 | 12.8 | 1.04 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| 2006-12-21.21 | 2454090.71 | +44.6 | FAST | 3475-7411 | 1.47 | 6-7 | 63.0 | 8.8 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 2100 | MC |
| 2006-12-22.24 | 2454091.74 | +45.6 | FAST | 3480-7416 | 1.47 | 6-7 | 33.0 | 14.8 | 1.03 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| 2006-12-26.26 | 2454095.76 | +49.6 | FAST | 3476-7412 | 1.47 | 6-7 | 90.0 | 69.8 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2006-12-27.29 | 2454096.79 | +50.6 | FAST | 3478-7414 | 1.47 | 6-7 | 110.0 | 12.7 | 1.06 | F34/HD84 | 1-2 | 3.0 | 2100 | MC |
| **SN 2006mo** | | | | | | | | | | | | | | |
| 2006-11-13.21 | 2454052.71 | +5.2 | FAST | 3476-7412 | 1.47 | 6-7 | 20.0 | 46.4 | 1.00 | BD28/BD17 | 2-3 | 3.0 | 1800 | GN |
| **SN 2006nz** | | | | | | | | | | | | | | |
| 2006-11-17.18 | 2454056.68 | −1.7 | FAST | 3480-7416 | 1.47 | 6-7 | −17.0 | 5.7 | 1.20 | BD28/BD17 | 2-3 | 3.0 | 1800 | LM |
| **SN 2006oa** | | | | | | | | | | | | | | |
| 2006-11-18.16 | 2454057.66 | −8.5 | FAST | 3478-7414 | 1.47 | 6-7 | 45.0 | 2.3 | 1.63 | BD28/BD17 | 2-3 | 3.0 | 1800 | LM |
| 2006-11-19.16 | 2454058.66 | −7.6 | FAST | 3478-7414 | 1.47 | 6-7 | 49.0 | 0.4 | 1.70 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2006-11-21.09 | 2454060.59 | −5.7 | FAST | 3479-7415 | 1.47 | 6-7 | 24.0 | 6.1 | 1.28 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2006-11-22.16 | 2454061.66 | −4.7 | FAST | 3479-7415 | 1.47 | 6-7 | 49.0 | 0.7 | 1.78 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2006-11-23.13 | 2454062.63 | −3.8 | FAST | 3478-7414 | 1.47 | 6-7 | 41.0 | 2.7 | 1.49 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2006-11-25.08 | 2454064.58 | −2.0 | FAST | 3476-7412 | 1.47 | 6-7 | 30.0 | 0.0 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2006-11-27.10 | 2454066.60 | −0.1 | FAST | 3476-7412 | 1.47 | 6-7 | 35.0 | 4.6 | 1.39 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2006oq** | | | | | | | | | | | | | | |
| 2006-11-21.53 | 2454061.03 | @0.0 | FAST | 3478-7414 | 1.47 | 6-7 | 89.0 | 29.1 | 1.18 | BD28/BD17 | 2 | 3.0 | 1500 | WP |
| **SN 2006or** | | | | | | | | | | | | | | |
| 2006-11-22.51 | 2454062.01 | @0.0 | FAST | 3477-7413 | 1.47 | 6-7 | 100.0 | 3.8 | 1.26 | BD28/BD17 | 2 | 3.0 | 1200 | WP |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2006ot** | | | | | | | | | | | | | | |
| 2006-11-24.23 | 2454063.73 | −0.4 | FAST | 3483-7419 | 1.47 | 6-7 | 0.0 | 1.1 | 1.64 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2006-11-27.30 | 2454066.80 | +2.5 | FAST | 3475-7411 | 1.47 | 6-7 | 0.0 | 29.3 | 1.98 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| **SN 2006ou** | | | | | | | | | | | | | | |
| 2006-11-26.52 | 2454066.02 | @0.0 | FAST | 3474-7410 | 1.47 | 6-7 | 90.0 | 34.3 | 1.21 | BD28/BD17 | 1-2 | 3.0 | 1166 | PBe |
| **SN 2006sr** | | | | | | | | | | | | | | |
| 2006-12-22.12 | 2454091.62 | −0.9 | FAST | 3480-7416 | 1.47 | 6-7 | 57.0 | 3.6 | 1.07 | BD28/BD17 | 1 | 3.0 | 1500 | MC |
| 2006-12-24.09 | 2454093.59 | +1.0 | FAST | 3477-7413 | 1.47 | 6-7 | 48.0 | 0.2 | 1.03 | F34/HD84 | 2 | 3.0 | 1500 | PBe |
| 2006-12-25.12 | 2454094.62 | +2.0 | FAST | 3477-7413 | 1.47 | 6-7 | 64.0 | 0.2 | 1.10 | F34/HD84 | 2-3 | 3.0 | 1500 | PBe |
| 2006-12-26.13 | 2454095.63 | +3.0 | FAST | 3476-7412 | 1.47 | 6-7 | 65.0 | 0.2 | 1.11 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2006-12-27.09 | 2454096.59 | +3.9 | FAST | 3477-7413 | 1.47 | 6-7 | 52.0 | 5.1 | 1.05 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2007-01-10.12 | 2454110.62 | +17.6 | FAST | 3473-7409 | 1.47 | 6-7 | 67.0 | 0.7 | 1.27 | F34/HD84 | 1 | 3.0 | 1500 | MC |
| **SN 2006su** | | | | | | | | | | | | | | |
| 2006-12-24.53 | 2454094.03 | @0.0 | FAST | 3476-7412 | 1.47 | 6-7 | 90.0 | 11.0 | 1.05 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| **SN 2006te** | | | | | | | | | | | | | | |
| 2007-01-09.49 | 2454109.99 | +12.3 | FAST | 3474-7410 | 1.47 | 6-7 | 100.0 | 11.0 | 1.29 | F34/HD84 | 2-3 | 3.0 | 1700 | MC |
| **SN 2007A** | | | | | | | | | | | | | | |
| 2007-01-09.12 | 2454109.62 | −3.4 | FAST | 3473-7409 | 1.47 | 6-7 | 52.0 | 1.2 | 1.24 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2007-01-10.14 | 2454110.64 | −2.4 | FAST | 3473-7409 | 1.47 | 6-7 | 56.0 | 1.3 | 1.39 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2007-01-17.11 | 2454117.61 | +4.5 | FAST | 3478-7414 | 1.47 | 6-7 | 55.0 | 0.1 | 1.29 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| **SN 2007B** | | | | | | | | | | | | | | |
| 2007-01-09.10 | 2454109.60 | @0.0 | FAST | 3473-7409 | 1.47 | 6-7 | 84.0 | 5.7 | 1.40 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2007-01-10.10 | 2454110.60 | @1.0 | FAST | 3473-7409 | 1.47 | 6-7 | 83.0 | 5.7 | 1.45 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2007-01-15.09 | 2454115.59 | @5.9 | FAST | 3472-7408 | 1.47 | 6-7 | 95.0 | 17.8 | 1.45 | F34/HD84 | 1-3 | 3.0 | 1200 | MC |
| 2007-01-17.09 | 2454117.59 | @7.8 | FAST | 3478-7414 | 1.47 | 6-7 | 76.0 | 0.4 | 1.50 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| **SN 2007F** | | | | | | | | | | | | | | |
| 2007-01-14.49 | 2454114.99 | −8.7 | FAST | 3472-7407 | 1.47 | 6-7 | 48.0 | 6.5 | 1.09 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2007-01-15.53 | 2454116.03 | −7.7 | FAST | 3471-7407 | 1.47 | 6-7 | 11.0 | 6.6 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2007-01-16.54 | 2454117.04 | −6.7 | FAST | 3477-7413 | 1.47 | 6-7 | 0.0 | 5.0 | 1.06 | F34/HD84 | 3-5 | 3.0 | 1320 | MC |
| 2007-01-17.53 | 2454118.03 | −5.7 | FAST | 3478-7414 | 1.47 | 6-7 | 0.0 | 4.9 | 1.06 | F34/HD84 | 2-3 | 3.0 | 1200 | PBe |
| 2007-01-21.55 | 2454122.05 | −1.8 | FAST | 3478-7414 | 1.47 | 6-7 | −20.0 | 9.2 | 1.07 | G191/BD26 | 3-4 | 3.0 | 1200 | MC |
| 2007-01-22.49 | 2454122.99 | −0.9 | FAST | 3477-7413 | 1.47 | 6-7 | 32.0 | 7.9 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2007-01-26.43 | 2454126.93 | +3.0 | FAST | 3477-7413 | 1.47 | 6-7 | 63.0 | 4.9 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2007-02-10.39 | 2454141.89 | +17.6 | FAST | 3474-7410 | 1.47 | 6-7 | 57.0 | 0.8 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-02-19.43 | 2454150.93 | +26.4 | FAST | 3477-7413 | 1.47 | 6-7 | 10.0 | 1.2 | 1.06 | G191/HD84 | 1-2 | 3.0 | 1500 | KR |
| 2007-02-25.43 | 2454156.93 | +32.3 | FAST | 3476-7412 | 1.47 | 6-7 | 0.0 | 2.8 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1500 | AV |
| 2007-03-09.39 | 2454168.89 | +44.0 | FAST | 3476-7412 | 1.47 | 6-7 | 100.0 | 83.4 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1800 | RH |
| 2007-03-18.37 | 2454177.87 | +52.7 | FAST | 3476-7414 | 1.47 | 6-7 | 0.0 | 0.3 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-04-15.31 | 2454205.81 | +80.0 | FAST | 3479-7417 | 1.47 | 6-7 | 90.0 | 72.0 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1800 | KR |
| **SN 2007H** | | | | | | | | | | | | | | |
| 2007-01-17.35 | 2454117.85 | @0.0 | FAST | 3478-7414 | 1.47 | 6-7 | 0.0 | 1.0 | 1.31 | F34/HD84 | 2-3 | 3.0 | 1800 | PBe |
| **SN 2007S** | | | | | | | | | | | | | | |
| 2007-02-08.34 | 2454139.84 | −4.7 | FAST | 3477-7413 | 1.47 | 6-7 | 0.0 | 2.4 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-02-09.30 | 2454140.80 | −3.7 | FAST | 3480-7416 | 1.47 | 6-7 | −25.0 | 3.2 | 1.17 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2007-02-10.32 | 2454141.82 | −2.7 | FAST | 3477-7413 | 1.47 | 6-7 | −13.0 | 2.2 | 1.14 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2007-02-12.33 | 2454143.83 | −0.7 | FAST | 3477-7413 | 1.47 | 6-7 | −11.0 | 9.3 | 1.13 | F34/HD84 | 3 | 3.0 | 1500 | MC |
| 2007-02-19.32 | 2454150.82 | +6.2 | FAST | 3479-7415 | 1.47 | 6-7 | −5.0 | 4.6 | 1.13 | G191/HD84 | 1-2 | 3.0 | 1800 | KR |
| 2007-02-21.32 | 2454152.82 | +8.1 | FAST | 3480-7416 | 1.47 | 6-7 | 0.0 | 2.9 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1200 | KR |
| 2007-02-25.30 | 2454156.80 | +12.1 | FAST | 3477-7413 | 1.47 | 6-7 | 0.0 | 1.6 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1200 | AV |
| 2007-02-26.30 | 2454157.80 | +13.1 | FAST | 3477-7413 | 1.47 | 6-7 | 10.0 | 5.8 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1200 | AV |
| 2007-03-10.28 | 2454169.78 | +24.9 | FAST | 3479-7415 | 1.47 | 6-7 | 45.0 | 32.8 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | RH |
| 2007-03-19.24 | 2454178.74 | +33.7 | FAST | 3479-7417 | 1.47 | 6-7 | 0.0 | 0.3 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-04-14.25 | 2454204.75 | +59.4 | FAST | 3479-7415 | 1.47 | 6-7 | 40.0 | 1.9 | 1.29 | F34/HD84 | 2-3 | 3.0 | 1800 | KR |
| 2007-04-19.30 | 2454209.80 | +64.3 | FAST | 3474-7416 | 1.47 | 6-7 | 50.0 | 4.4 | 1.80 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| **SN 2007ae** | | | | | | | | | | | | | | |
| 2007-02-25.54 | 2454157.04 | +2.3 | FAST | 3474-7410 | 1.47 | 6-7 | 90.0 | 68.7 | 1.49 | F34/HD84 | 1-2 | 3.0 | 1500 | AV |
| 2007-02-26.53 | 2454158.03 | +3.3 | FAST | 3662-7415 | 1.47 | 6-7 | ··· | 19.9 | 1.49 | F34/HD84 | ··· | 3.0 | 1800 | AV |
| **SN 2007af** | | | | | | | | | | | | | | |
| 2007-03-09.47 | 2454168.97 | −5.6 | FAST | 3477-7413 | 1.47 | 6-7 | −44.0 | 56.8 | 1.19 | F34/HD84 | 1-2 | 3.0 | 720 | RH |
| 2007-03-10.46 | 2454169.96 | −4.6 | FAST | 3479-7417 | 1.47 | 6-7 | −43.0 | 50.0 | 1.18 | F34/HD84 | 1-2 | 3.0 | 720 | RH |
| 2007-03-11.45 | 2454170.95 | −3.6 | FAST | 3479-7417 | 1.47 | 6-7 | 2.0 | 1.9 | 1.18 | F34/HD84 | 1-2 | 3.0 | 720 | RH |
| 2007-03-12.44 | 2454171.94 | −2.6 | FAST | 3478-7416 | 1.47 | 6-7 | 90.0 | 87.8 | 1.18 | F34/HD84 | 1-2 | 3.0 | 720 | TG |
| 2007-03-13.45 | 2454172.95 | −1.6 | FAST | 3480-7418 | 1.47 | 6-7 | 5.0 | 1.6 | 1.18 | F34/HD84 | 1-2 | 3.0 | 720 | TG |
| 2007-03-14.44 | 2454173.94 | −0.6 | FAST | 3480-7418 | 1.47 | 6-7 | 2.0 | 3.1 | 1.18 | F34/HD84 | 1-2 | 3.0 | 720 | TG |
| 2007-03-15.39 | 2454174.89 | +0.3 | FAST | 3482-7420 | 1.47 | 6-7 | −25.0 | 2.7 | 1.22 | F34/HD84 | 1-2 | 3.0 | 720 | EF |
| 2007-03-17.42 | 2454176.92 | +2.3 | FAST | 3477-7415 | 1.47 | 6-7 | −5.0 | 1.0 | 1.18 | F34/HD84 | 1-2 | 3.0 | 720 | PBe |
| 2007-03-18.41 | 2454177.91 | +3.3 | FAST | 3478-7416 | 1.47 | 6-7 | −8.0 | 0.8 | 1.19 | F34/HD84 | 1-2 | 3.0 | 720 | PBe |
| 2007-03-19.42 | 2454178.92 | +4.3 | FAST | 3479-7417 | 1.47 | 6-7 | 0.0 | 2.2 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-03-20.48 | 2454179.98 | +5.4 | FAST | 3479-7415 | 1.47 | 6-7 | 31.0 | 1.9 | 1.29 | F34/HD84 | 1-2 | 3.0 | 720 | TG |
| 2007-03-25.35 | 2454184.85 | +10.2 | FAST | 3479-7415 | 1.47 | 6-7 | −28.0 | 0.5 | 1.25 | F34/HD84 | 1-2 | 3.0 | 900 | PBe |
| 2007-03-26.39 | 2454185.89 | +11.3 | FAST | 3477-7418 | 1.47 | 6-7 | −8.0 | 2.6 | 1.18 | F34/HD84 | 1-2 | 3.0 | 720 | MC |
| 2007-03-27.45 | 2454186.95 | +12.3 | FAST | 3477-7419 | 1.47 | 6-7 | 24.0 | 3.6 | 1.25 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2007-04-08.32 | 2454198.82 | +24.1 | FAST | 3475-7417 | 1.47 | 6-7 | −30.0 | 3.9 | 1.24 | F34/HD84 | 2 | 3.0 | 1200 | MC |
| 2007-04-12.45 | 2454202.95 | +28.2 | FAST | 3477-7419 | 1.47 | 6-7 | 45.0 | 3.6 | 1.41 | F34/HD84 | 2-3 | 3.0 | 1200 | KR |
| 2007-04-15.33 | 2454205.83 | +31.1 | FAST | 3481-7417 | 1.47 | 6-7 | −9.0 | 1.2 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1200 | KR |
| 2007-04-16.35 | 2454206.85 | +32.1 | FAST | 3476-7417 | 1.47 | 6-7 | 0.0 | 4.6 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1200 | WP |
| 2007-04-18.28 | 2454208.78 | +34.0 | FAST | 3476-7417 | 1.47 | 6-7 | −32.0 | 3.1 | 1.26 | F34/HD84 | 1-2 | 3.0 | 1200 | WP |
| 2007-04-23.32 | 2454213.82 | +39.0 | FAST | 3475-7417 | 1.47 | 6-7 | 90.0 | 88.6 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1500 | JDow |
| 2007-05-12.29 | 2454232.79 | +57.9 | FAST | 3475-7411 | 1.47 | 6-7 | 10.0 | 3.1 | 1.18 | F34/BD26 | 2.0 | 3.0 | 1500 | WBr |
| 2007-05-15.27 | 2454235.77 | +60.9 | FAST | 3478-7414 | 1.47 | 6-7 | 5.0 | 2.3 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2007-05-17.24 | 2454237.74 | +62.8 | FAST | 3477-7413 | 1.47 | 6-7 | −8.0 | 1.7 | 1.19 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2007-05-21.26 | 2454241.76 | +66.8 | FAST | 3479-7415 | 1.47 | 6-7 | 6.0 | 0.0 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2007-05-24.30 | 2454244.80 | +69.9 | FAST | 3479-7415 | 1.47 | 6-7 | 27.0 | 3.5 | 1.27 | F34/BD33 | 2 | 3.0 | 1500 | MC |
| 2007-06-11.20 | 2454262.70 | +87.7 | FAST | 3474-7416 | 1.47 | 6-7 | 10.0 | 4.0 | 1.18 | BD28/BD17 | 1-2 | 3.0 | 887 | PBe |
| 2007-06-15.21 | 2454266.71 | +91.6 | FAST | 3474-7416 | 1.47 | 6-7 | 15.0 | 1.5 | 1.20 | BD28/BD17 | 2 | 3.0 | 1800 | TG |
| 2007-06-20.18 | 2454271.68 | +96.6 | FAST | 3476-7414 | 1.47 | 6-7 | 65.0 | 58.6 | 1.18 | BD28/BD17 | 1 | 3.0 | 1800 | MC |
| 2007-06-25.17 | 2454276.67 | +101.6 | FAST | 3475-7411 | 1.47 | 6-7 | 5.0 | 6.0 | 1.19 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-07-10.17 | 2454291.67 | +116.5 | FAST | 3474-7416 | 1.47 | 6-7 | 33.0 | 3.8 | 1.26 | BD28/BD17 | 1-2 | 3.0 | 894 | PBe |
| 2007-07-18.21 | 2454299.71 | +124.5 | FAST | 3473-7415 | 1.47 | 6-7 | 44.0 | 4.1 | 1.65 | BD28/BD17 | 1-2 | 3.0 | 1800 | CHi |
| 2008-01-11.53 | 2454477.03 | +300.8 | MMTblue | 3205-8399 | 1.95 | 6-7 | 0.0 | 2.4 | 1.31 | F34/H600 | ··· | 1.0 | 3×900 | ··· |
| **SN 2007al** | | | | | | | | | | | | | | |
| 2007-03-12.31 | 2454171.81 | +2.4 | FAST | 3478-7416 | 1.47 | 6-7 | 15.0 | 4.0 | 1.70 | F34/HD84 | 1-2 | 3.0 | 1200 | TG |
| 2007-03-13.23 | 2454172.73 | +3.3 | FAST | 3481-7417 | 1.47 | 6-7 | −12.0 | 0.9 | 1.63 | F34/HD84 | 1-2 | 3.0 | 1200 | TG |
| 2007-03-14.26 | 2454173.76 | +4.3 | FAST | 3480-7416 | 1.47 | 6-7 | 0.0 | 2.7 | 1.60 | F34/HD84 | 1-2 | 3.0 | 1200 | TG |
| 2007-03-15.23 | 2454174.73 | +5.3 | FAST | 3481-7419 | 1.47 | 6-7 | −5.0 | 1.4 | 1.60 | F34/HD84 | 1-2 | 3.0 | 1200 | EF |
| 2007-03-18.25 | 2454177.75 | +8.3 | FAST | 3476-7414 | 1.47 | 6-7 | 10.0 | 6.2 | 1.60 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-03-20.11 | 2454179.61 | +10.1 | LDSS3 | 3750-10728 | 2.01 | 11-12 | −49.4 | 32.3 | 1.02 | EG274/H600 | ··· | 1.2 | 2×450 | PC |
| 2007-03-20.24 | 2454179.74 | +10.2 | FAST | 3480-7416 | 1.47 | 6-7 | −4.0 | 4.0 | 1.59 | F34/HD84 | 1-2 | 3.0 | 1500 | TG |
| 2007-03-21.33 | 2454180.83 | +11.3 | FAST | 3478-7414 | 1.47 | 6-7 | 31.0 | 2.5 | 2.06 | F34/H600 | 1-2 | 3.0 | 1500 | MC |
| **SN 2007ao** | | | | | | | | | | | | | | |
| 2007-03-15.42 | 2454174.92 | @0.0 | FAST | 3482-7418 | 1.47 | 6-7 | −10.0 | 3.0 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | EF |
| 2007-03-18.39 | 2454177.89 | @2.9 | FAST | 3478-7416 | 1.47 | 6-7 | −11.0 | 11.2 | 1.09 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-03-20.34 | 2454179.84 | @4.8 | LDSS3 | 3750-10730 | 2.01 | 11-12 | −47.7 | 19.2 | 1.42 | EG274/H600 | ··· | 1.2 | 3×450 | PC |
| 2007-03-20.47 | 2454179.97 | @4.9 | FAST | 3479-7415 | 1.47 | 6-7 | 30.0 | 6.1 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | TG |
| **SN 2007ap** | | | | | | | | | | | | | | |
| 2007-03-15.45 | 2454174.95 | +7.4 | FAST | 3482-7418 | 1.47 | 6-7 | −45.0 | 2.2 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1200 | EF |
| 2007-03-19.46 | 2454178.96 | +11.4 | FAST | 3479-7415 | 1.47 | 6-7 | −20.0 | 4.1 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| **SN 2007at** | | | | | | | | | | | | | | |
| 2007-03-19.44 | 2454178.94 | @0.0 | FAST | 3479-7415 | 1.47 | 6-7 | 0.0 | 1.2 | 1.66 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-03-20.38 | 2454179.88 | @0.9 | LDSS3 | 3750-10730 | 2.01 | 11-12 | −83.0 | 18.9 | 1.07 | EG274/H600 | ··· | 1.2 | 2×300 | PC |
| **SN 2007au** | | | | | | | | | | | | | | |
| 2007-03-19.26 | 2454178.76 | −5.6 | FAST | 3479-7415 | 1.47 | 6-7 | 89.0 | 7.4 | 1.34 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-03-20.20 | 2454179.70 | −4.7 | FAST | 3479-7415 | 1.47 | 6-7 | 109.0 | 8.5 | 1.14 | F34/HD84 | 1-2 | 3.0 | 1500 | TG |
| 2007-03-21.14 | 2454180.64 | −3.8 | FAST | 3479-7415 | 1.47 | 6-7 | −13.0 | 9.0 | 1.06 | F34/H600 | 1-2 | 3.0 | 1500 | MC |
| 2007-03-26.15 | 2454185.65 | +1.1 | FAST | 3474-7416 | 1.47 | 6-7 | −36.0 | 9.6 | 1.09 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2007ax** | | | | | | | | | | | | | | |
| 2007-03-26.21 | 2454185.71 | −1.9 | FAST | 3476-7417 | 1.47 | 6-7 | 55.0 | 3.7 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2007-03-27.26 | 2454186.76 | −0.8 | FAST | 3476-7418 | 1.47 | 6-7 | 66.0 | 0.9 | 1.26 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2007-04-07.16 | 2454197.66 | +10.0 | FAST | 3476-7412 | 1.47 | 6-7 | 50.0 | 2.9 | 1.04 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2007-04-14.21 | 2454204.71 | +17.0 | FAST | 3480-7416 | 1.47 | 6-7 | 70.0 | 3.0 | 1.28 | F34/HD84 | 2-3 | 3.0 | 1800 | KR |
| 2007-04-16.17 | 2454206.67 | +18.9 | FAST | 3476-7417 | 1.47 | 6-7 | 90.0 | 26.5 | 1.11 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| 2007-04-18.19 | 2454208.69 | +20.9 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 23.6 | 1.21 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| **SN 2007ba** | | | | | | | | | | | | | | |
| 2007-04-09.43 | 2454199.93 | +3.1 | FAST | 3475-7417 | 1.47 | 6-7 | 15.0 | 6.9 | 1.12 | F34/HD84 | 2 | 3.0 | 1800 | MC |
| 2007-04-11.50 | 2454202.00 | +5.1 | FAST | 3478-7416 | 1.47 | 6-7 | 47.0 | 2.6 | 1.35 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2007-04-12.47 | 2454202.97 | +6.0 | FAST | 3477-7419 | 1.47 | 6-7 | 40.0 | 2.6 | 1.22 | F34/HD84 | 2-5 | 3.0 | 1800 | KR |
| **SN 2007bc** | | | | | | | | | | | | | | |
| 2007-04-07.24 | 2454197.74 | −2.6 | FAST | 3476-7412 | 1.47 | 6-7 | 0.0 | 0.8 | 1.02 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2007-04-14.27 | 2454204.77 | +4.3 | FAST | 3479-7415 | 1.47 | 6-7 | 90.0 | 39.4 | 1.06 | F34/HD84 | 2-3 | 3.0 | 1200 | KR |
| 2007-04-16.21 | 2454206.71 | +6.2 | FAST | 3476-7417 | 1.47 | 6-7 | −20.0 | 12.5 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | WP |
| 2007-04-17.36 | 2454207.86 | +7.3 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 24.5 | 1.52 | F34/BD26 | 2 | 3.0 | 1200 | WP |
| 2007-05-11.18 | 2454231.68 | +30.7 | FAST | 3477-7415 | 1.47 | 6-7 | 90.0 | 47.1 | 1.04 | F34/HD84 | 2 | 3.0 | 1800 | WP |
| 2007-05-16.19 | 2454236.69 | +35.6 | FAST | 3476-7412 | 1.47 | 6-7 | 45.0 | 8.6 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-05-24.16 | 2454244.66 | +43.4 | FAST | 3479-7415 | 1.47 | 6-7 | 47.0 | 6.5 | 1.07 | F34/BD33 | 2 | 3.0 | 1800 | MC |
| 2007-06-10.18 | 2454261.68 | +60.1 | FAST | 3479-7415 | 1.47 | 6-7 | 65.0 | 0.2 | 1.32 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2007bd** | | | | | | | | | | | | | | |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-04-07.18 | 2454197.68 | −9.0 | FAST | 3476-7412 | 1.47 | 6-7 | 31.0 | 6.2 | 1.28 | F34/HD84 | 2 | 3.0 | 1800 | PBe |
| 2007-04-08.18 | 2454198.68 | −8.1 | FAST | 3474-7416 | 1.47 | 6-7 | 26.0 | 4.8 | 1.29 | F34/HD84 | 2 | 3.0 | 1800 | MC |
| 2007-04-12.18 | 2454202.68 | −4.2 | FAST | 3477-7419 | 1.47 | 6-7 | 35.0 | 0.2 | 1.33 | F34/HD84 | 1-2 | 3.0 | 1800 | KR |
| 2007-04-15.20 | 2454205.70 | −1.3 | FAST | 3479-7415 | 1.47 | 6-7 | 40.0 | 1.4 | 1.44 | F34/HD84 | 1-2 | 3.0 | 1800 | KR |
| 2007-04-18.22 | 2454208.72 | +1.7 | FAST | 3474-7415 | 1.47 | 6-7 | 46.0 | 3.4 | 1.78 | F34/HD84 | 1-2 | 3.0 | 2100 | WP |
| 2007-04-25.17 | 2454215.67 | +8.4 | FAST | 3475-7416 | 1.47 | 6-7 | 40.0 | 1.3 | 1.44 | F34/HD84 | 1-2 | 3.0 | 1800 | JDow |
| **SN 2007bj** | | | | | | | | | | | | | | |
| 2007-04-22.41 | 2454212.91 | +12.0 | FAST | 3477-7413 | 1.47 | 6-7 | 80.0 | 83.4 | 1.20 | F34/HD84 | 1-2 | 3.0 | 1200 | JDow |
| 2007-04-25.40 | 2454215.90 | +14.9 | FAST | 3476-7418 | 1.47 | 6-7 | 0.0 | 2.6 | 1.20 | F34/HD84 | 1-2 | 3.0 | 1200 | JDow |
| 2007-05-14.35 | 2454234.85 | +33.5 | FAST | 3478-7414 | 1.47 | 6-7 | 0.0 | 3.0 | 1.20 | F34/HD84 | 1.0 | 3.0 | 1500 | WBr |
| 2007-05-19.39 | 2454239.89 | +38.5 | FAST | 3486-7421 | 1.47 | 6-7 | 15.0 | 10.8 | 1.26 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2007-05-23.33 | 2454243.83 | +42.4 | FAST | 3479-7415 | 1.47 | 6-7 | 0.0 | 1.2 | 1.20 | F34/BD33 | 1-2 | 3.0 | 1800 | PBe |
| 2007-06-09.28 | 2454260.78 | +59.1 | FAST | 3479-7417 | 1.47 | 6-7 | 0.0 | 1.3 | 1.20 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| 2007-06-13.29 | 2454264.79 | +63.0 | FAST | 3474-7416 | 1.47 | 6-7 | 10.0 | 0.8 | 1.20 | BD28/BD17 | 2 | 3.0 | 1500 | AV |
| **SN 2007bk** | | | | | | | | | | | | | | |
| 2007-04-22.38 | 2454212.88 | @0.0 | FAST | 3477-7413 | 1.47 | 6-7 | 80.0 | 86.6 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1200 | JDow |
| **SN 2007bm** | | | | | | | | | | | | | | |
| 2007-04-23.23 | 2454213.73 | −11.2 | FAST | 3475-7417 | 1.47 | 6-7 | 0.0 | 12.8 | 1.36 | F34/HD84 | 1-2 | 3.0 | 1200 | JDow |
| 2007-04-25.19 | 2454215.69 | −9.3 | FAST | 3476-7418 | 1.47 | 6-7 | −5.0 | 2.9 | 1.34 | F34/HD84 | 1-2 | 3.0 | 1200 | JDow |
| 2007-05-11.16 | 2454231.66 | +6.6 | FAST | 3476-7412 | 1.47 | 6-7 | 90.0 | 87.2 | 1.34 | F34/HD84 | 2 | 3.0 | 1800 | WP |
| 2007-05-14.16 | 2454234.66 | +9.6 | FAST | 3478-7414 | 1.47 | 6-7 | 0.0 | 9.0 | 1.35 | F34/HD84 | 2.0 | 3.0 | 1500 | WBr |
| 2007-05-17.17 | 2454237.67 | +12.6 | FAST | 3476-7412 | 1.47 | 6-7 | 15.0 | 0.6 | 1.37 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2007-05-20.17 | 2454240.67 | +15.6 | FAST | 3486-7419 | 1.47 | 6-7 | 25.0 | 4.4 | 1.40 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2007-05-22.17 | 2454242.67 | +17.5 | FAST | 3478-7414 | 1.47 | 6-7 | 23.0 | 1.0 | 1.41 | F34/BD33 | 1-2 | 3.0 | 1500 | PBe |
| 2007-05-25.17 | 2454245.67 | +20.5 | FAST | 3478-7414 | 1.47 | 6-7 | 22.0 | 3.6 | 1.45 | F34/BD33 | 2 | 3.0 | 1500 | MC |
| 2007-06-08.16 | 2454259.66 | +34.4 | FAST | 3476-7412 | 1.47 | 6-7 | 32.0 | 2.9 | 1.60 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-06-12.17 | 2454263.67 | +38.4 | FAST | 3473-7415 | 1.47 | 6-7 | 40.0 | 0.7 | 1.80 | BD28/BD17 | 2 | 3.0 | 1500 | PBe |
| 2007-06-19.18 | 2454270.68 | +45.4 | FAST | 3475-7411 | 1.47 | 6-7 | 42.0 | 4.1 | 2.16 | BD28/BD17 | 2 | 3.0 | 1500 | AV |
| **SN 2007bz** | | | | | | | | | | | | | | |
| 2007-05-12.31 | 2454232.81 | +17.0 | FAST | 3475-7411 | 1.47 | 6-7 | 65.0 | 0.4 | 1.17 | F34/BD26 | 2.0 | 3.0 | 1620 | WBr |
| **SN 2007ca** | | | | | | | | | | | | | | |
| 2007-05-10.23 | 2454230.73 | +3.4 | FAST | 3477-7413 | 1.47 | 6-7 | −9.0 | 3.4 | 1.47 | F34/HD84 | 2 | 3.0 | 1200 | WP |
| 2007-05-12.27 | 2454232.77 | +5.5 | FAST | 3474-7412 | 1.47 | 6-7 | 10.0 | 1.9 | 1.49 | F34/BD26 | 2.0 | 3.0 | 1200 | WBr |
| 2007-05-13.21 | 2454233.71 | +6.4 | FAST | 3481-7417 | 1.47 | 6-7 | 0.0 | 10.6 | 1.48 | F34/BD26 | 2.0 | 3.0 | 1500 | WBr |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-05-16.26 | 2454236.76 | +9.4 | FAST | 3477-7413 | 1.47 | 6-7 | 15.0 | 0.1 | 1.51 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2007-05-18.32 | 2454238.82 | +11.4 | FAST | 3480-7416 | 1.47 | 6-7 | 28.0 | 6.3 | 1.83 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2007-05-20.22 | 2454240.72 | +13.3 | FAST | 3487-7420 | 1.47 | 6-7 | −3.0 | 4.4 | 1.46 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2007-06-11.18 | 2454262.68 | +34.9 | FAST | 3474-7415 | 1.47 | 6-7 | 12.0 | 0.2 | 1.49 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-06-14.23 | 2454265.73 | +38.0 | FAST | 3473-7415 | 1.47 | 6-7 | 25.0 | 7.3 | 1.77 | BD28/BD17 | 2 | 3.0 | 1800 | TG |
| 2007-06-22.18 | 2454273.68 | +45.8 | FAST | 3476-7414 | 1.47 | 6-7 | 21.0 | 0.1 | 1.56 | BD28/BD17 | 1-2 | 3.0 | 1390 | PBe |
| **SN 2007cb** | | | | | | | | | | | | | | |
| 2007-05-10.25 | 2454230.75 | @0.0 | FAST | 3476-7414 | 1.47 | 6-7 | −8.0 | 3.8 | 1.75 | F34/HD84 | 2 | 3.0 | 1500 | WP |
| **SN 2007cc** | | | | | | | | | | | | | | |
| 2007-05-09.28 | 2454229.78 | @0.0 | FAST | 3476-7412 | 1.47 | 6-7 | 90.0 | 86.1 | 1.68 | F34/HD84 | 2 | 3.0 | 1200 | WP |
| **SN 2007cf** | | | | | | | | | | | | | | |
| 2007-05-10.29 | 2454230.79 | @0.0 | FAST | 3478-7414 | 1.47 | 6-7 | −33.0 | 7.2 | 1.11 | F34/HD84 | 2 | 3.0 | 1800 | WP |
| 2007-05-13.26 | 2454233.76 | @2.9 | FAST | 3481-7419 | 1.47 | 6-7 | −30.0 | 5.5 | 1.15 | F34/BD26 | 2.0 | 3.0 | 1800 | WBr |
| **SN 2007cg** | | | | | | | | | | | | | | |
| 2007-05-14.24 | 2454234.74 | +5.5 | FAST | 3679-7413 | 1.47 | 6-7 | 0.0 | 3.4 | 1.81 | F34/HD84 | 1.0 | 3.0 | 1800 | WBr |
| 2007-05-15.22 | 2454235.72 | +6.5 | FAST | 3478-7414 | 1.47 | 6-7 | 0.0 | 0.7 | 1.80 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-05-16.24 | 2454236.74 | +7.5 | FAST | 3477-7413 | 1.47 | 6-7 | 10.0 | 2.5 | 1.82 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| **SN 2007ci** | | | | | | | | | | | | | | |
| 2007-05-18.20 | 2454238.70 | −8.1 | FAST | 3480-7416 | 1.47 | 6-7 | 29.0 | 21.1 | 1.07 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2007-05-19.18 | 2454239.68 | −7.1 | FAST | 3487-7420 | 1.47 | 6-7 | −4.0 | 47.6 | 1.05 | F34/HD84 | 2-3 | 3.0 | 1800 | MC |
| 2007-05-20.20 | 2454240.70 | −6.1 | FAST | 3486-7419 | 1.47 | 6-7 | 46.0 | 6.0 | 1.07 | F34/HD84 | 2-3 | 3.0 | 1800 | MC |
| 2007-05-21.19 | 2454241.69 | −5.1 | FAST | 3477-7413 | 1.47 | 6-7 | 50.0 | 1.2 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2007-05-22.19 | 2454242.69 | −4.2 | FAST | 3478-7414 | 1.47 | 6-7 | 54.0 | 0.4 | 1.08 | F34/BD33 | 1-2 | 3.0 | 1800 | PBe |
| 2007-05-24.19 | 2454244.69 | −2.2 | FAST | 3479-7415 | 1.47 | 6-7 | 48.0 | 5.5 | 1.08 | F34/BD33 | 2 | 3.0 | 1800 | MC |
| 2007-05-25.19 | 2454245.69 | −1.2 | FAST | 3479-7415 | 1.47 | 6-7 | 58.0 | 1.5 | 1.10 | F34/BD33 | 2 | 3.0 | 1800 | MC |
| 2007-06-08.18 | 2454259.68 | +12.5 | FAST | 3476-7412 | 1.47 | 6-7 | 60.0 | 1.2 | 1.17 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-06-12.19 | 2454263.69 | +16.5 | FAST | 3473-7415 | 1.47 | 6-7 | 64.0 | 0.2 | 1.30 | BD28/BD17 | 2 | 3.0 | 1800 | PBe |
| 2007-06-14.18 | 2454265.68 | +18.4 | FAST | 3474-7416 | 1.47 | 6-7 | 62.0 | 1.4 | 1.27 | BD28/BD17 | 2 | 3.0 | 1800 | TG |
| 2007-06-17.20 | 2454268.70 | +21.4 | FAST | 3476-7412 | 1.47 | 6-7 | 70.0 | 5.4 | 1.44 | BD28/BD17 | 2 | 3.0 | 1800 | AV |
| **SN 2007cj** | | | | | | | | | | | | | | |
| 2007-05-21.05 | 2454241.55 | @0.0 | LDSS3 | 3600-9415 | 1.96 | 11-12 | −100.6 | 18.1 | 1.14 | F66/L3864 | ··· | 1.2 | 600 | MT |
| **SN 2007co** | | | | | | | | | | | | | | |
| 2007-06-08.35 | 2454259.85 | −5.1 | FAST | 3476-7412 | 1.47 | 6-7 | 107.0 | 5.6 | 1.00 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-06-09.33 | 2454260.83 | −4.1 | FAST | 3479-7415 | 1.47 | 6-7 | 90.0 | 12.3 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-06-10.39 | 2454261.89 | −3.1 | FAST | 3479-7417 | 1.47 | 6-7 | 75.0 | 1.7 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2007-06-12.35 | 2454263.85 | −1.2 | FAST | 3473-7415 | 1.47 | 6-7 | 90.0 | 43.5 | 1.00 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2007-06-13.39 | 2454264.89 | −0.2 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 12.0 | 1.02 | BD28/BD17 | 2 | 3.0 | 1200 | AV |
| 2007-06-14.38 | 2454265.88 | +0.8 | FAST | 3474-7416 | 1.47 | 6-7 | 70.0 | 5.6 | 1.01 | BD28/BD17 | 2 | 3.0 | 1800 | TG |
| 2007-06-15.36 | 2454266.86 | +1.7 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 21.5 | 1.00 | BD28/BD17 | 2 | 3.0 | 1500 | TG |
| 2007-06-16.35 | 2454267.85 | +2.7 | FAST | 3477-7415 | 1.47 | 6-7 | −45.0 | 89.0 | 1.00 | BD28/BD17 | 2 | 3.0 | 1800 | TG |
| 2007-06-17.34 | 2454268.84 | +3.7 | FAST | 3476-7414 | 1.47 | 6-7 | 89.0 | 80.4 | 1.00 | BD28/BD17 | 2 | 3.0 | 1800 | AV |
| 2007-06-18.35 | 2454269.85 | +4.6 | FAST | 3476-7414 | 1.47 | 6-7 | 90.0 | 20.6 | 1.01 | BD28/BD17 | 2 | 3.0 | 1800 | AV |
| 2007-06-19.45 | 2454270.95 | +5.7 | FAST | 3476-7414 | 1.47 | 6-7 | 78.0 | 1.4 | 1.21 | BD28/BD17 | 1 | 3.0 | 1500 | MC |
| 2007-06-20.34 | 2454271.84 | +6.6 | FAST | 3477-7413 | 1.47 | 6-7 | 10.0 | 50.5 | 1.00 | BD28/BD17 | 1 | 3.0 | 1500 | MC |
| 2007-06-21.33 | 2454272.83 | +7.5 | FAST | 3477-7415 | 1.47 | 6-7 | 90.0 | 72.9 | 1.00 | BD28/BD17 | 1 | 3.0 | 1500 | EF |
| 2007-06-22.38 | 2454273.88 | +8.6 | FAST | 3476-7414 | 1.47 | 6-7 | 90.0 | 11.2 | 1.04 | BD28/BD17 | 2 | 3.0 | 1423 | PBe |
| 2007-06-24.36 | 2454275.86 | +10.5 | FAST | 3475-7411 | 1.47 | 6-7 | 80.0 | 1.9 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-06-25.40 | 2454276.90 | +11.5 | FAST | 3479-7417 | 1.47 | 6-7 | 80.0 | 1.5 | 1.10 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| 2007-09-11.16 | 2454354.66 | +87.2 | MMTblue | 3220-8368 | 1.95 | 6-7 | 0.0 | 14.9 | 1.05 | BD28 | ··· | 1.0 | 3×1200 | WBl, PC |
| **SN 2007cp** | | | | | | | | | | | | | | |
| 2007-06-15.18 | 2454266.68 | @0.0 | FAST | 3474-7415 | 1.47 | 6-7 | 21.0 | 4.3 | 1.71 | BD28/BD17 | 2 | 3.0 | 1800 | TG |
| 2007-06-16.17 | 2454267.67 | @1.0 | FAST | 3476-7412 | 1.47 | 6-7 | 20.0 | 5.8 | 1.72 | BD28/BD17 | 2 | 3.0 | 1800 | TG |
| 2007-06-19.20 | 2454270.70 | @3.9 | FAST | 3475-7411 | 1.47 | 6-7 | 15.0 | 21.0 | 2.04 | BD28/BD17 | 2 | 3.0 | 1800 | AV |
| **SN 2007cq** | | | | | | | | | | | | | | |
| 2007-06-24.45 | 2454275.95 | −5.0 | FAST | 3476-7414 | 1.47 | 6-7 | −23.0 | 0.1 | 1.15 | BD28/BD17 | 1-2 | 3.0 | 1500 | PBe |
| 2007-06-25.45 | 2454276.95 | −4.0 | FAST | 3480-7418 | 1.47 | 6-7 | −23.0 | 4.5 | 1.14 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2007fb** | | | | | | | | | | | | | | |
| 2007-07-07.44 | 2454288.94 | +1.7 | FAST | 3479-7417 | 1.47 | 6-7 | −35.0 | 4.4 | 1.23 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-07-11.41 | 2454292.91 | +5.6 | FAST | 3475-7417 | 1.47 | 6-7 | −40.0 | 7.3 | 1.35 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-07-16.44 | 2454297.94 | +10.6 | FAST | 3475-7419 | 1.47 | 6-7 | −37.0 | 5.0 | 1.17 | BD28/BD17 | 1-2 | 3.0 | 1200 | CHi |
| 2007-07-18.48 | 2454299.98 | +12.6 | FAST | 3474-7418 | 1.47 | 6-7 | 104.0 | 68.4 | 1.12 | BD28/BD17 | 1-2 | 3.0 | 1200 | CHi |
| 2007-07-19.48 | 2454300.98 | +13.6 | FAST | 3474-7416 | 1.47 | 6-7 | 98.0 | 79.7 | 1.11 | BD28/BD17 | 1-2 | 3.0 | 1500 | CHi |
| 2007-07-20.46 | 2454301.96 | +14.5 | FAST | 3474-7416 | 1.47 | 6-7 | −20.0 | 5.3 | 1.12 | BD28/BD17 | 1 | 3.0 | 1200 | JHuc, FM |
| 2007-09-02.32 | 2454345.82 | +57.6 | FAST | 3471-7413 | 1.47 | 6-7 | −35.0 | 6.7 | 1.16 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-09-04.38 | 2454347.88 | +59.6 | FAST | 3470-7412 | 1.47 | 6-7 | 9.0 | 7.3 | 1.13 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-09-08.28 | 2454351.78 | +63.5 | FAST | 3475-7417 | 1.47 | 6-7 | −30.0 | 7.7 | 1.21 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-09-10.35 | 2454353.85 | +65.5 | FAST | 3475-7417 | 1.47 | 6-7 | 0.0 | 7.8 | 1.12 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-10-15.30 | 2454388.80 | +99.8 | FAST | 3475-7416 | 1.47 | 6-7 | 30.0 | 2.1 | 1.18 | BD28/BD17 | 1.5 | 3.0 | 1800 | WBr |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SN 2007fc** | | | | | | | | | | | | | | |
| 2007-07-11.47 | 2454292.97 | @0.0 | FAST | 3474-7416 | 1.47 | 6-7 | −20.0 | 4.6 | 1.77 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| **SN 2007fs** | | | | | | | | | | | | | | |
| 2007-07-18.42 | 2454299.92 | +3.1 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 87.0 | 1.67 | BD28/BD17 | 1-2 | 3.0 | 1500 | CHi |
| 2007-07-19.43 | 2454300.93 | +4.1 | FAST | 3474-7416 | 1.47 | 6-7 | 86.0 | 77.7 | 1.69 | BD28/BD17 | 1-2 | 3.0 | 1800 | CHi |
| 2007-07-20.44 | 2454301.94 | +5.1 | FAST | 3474-7416 | 1.47 | 6-7 | 20.0 | 5.4 | 1.74 | BD28/BD17 | 1 | 3.0 | 1511 | JHuc, FM |
| 2007-09-02.29 | 2454345.79 | +48.2 | FAST | 3470-7412 | 1.47 | 6-7 | −2.0 | 4.4 | 1.67 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-09-05.28 | 2454348.78 | +51.1 | FAST | 3470-7412 | 1.47 | 6-7 | 4.0 | 2.8 | 1.67 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-09-09.33 | 2454352.83 | +55.1 | FAST | 3474-7416 | 1.47 | 6-7 | 20.0 | 2.9 | 1.86 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-09-15.23 | 2454358.73 | +60.9 | FAST | 3482-7424 | 1.47 | 6-7 | −13.0 | 4.5 | 1.69 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-10-10.22 | 2454383.72 | +85.4 | FAST | 3474-7415 | 1.47 | 6-7 | 11.0 | 3.4 | 1.74 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| **SN 2007hj** | | | | | | | | | | | | | | |
| 2007-09-03.28 | 2454346.78 | −2.6 | FAST | 3471-7413 | 1.47 | 6-7 | −40.0 | 4.2 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-09-04.36 | 2454347.86 | −1.5 | FAST | 3470-7412 | 1.47 | 6-7 | 33.0 | 4.7 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-09-05.30 | 2454348.80 | −0.6 | FAST | 3471-7413 | 1.47 | 6-7 | −5.0 | 11.9 | 1.05 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2007-09-07.32 | 2454350.82 | +1.4 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 78.0 | 1.04 | BD28/BD17 | 2 | 3.0 | 1170 | PBe |
| 2007-09-08.30 | 2454351.80 | +2.4 | FAST | 3476-7418 | 1.47 | 6-7 | −10.0 | 3.1 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-09-09.35 | 2454352.85 | +3.4 | FAST | 3474-7416 | 1.47 | 6-7 | 33.0 | 4.5 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-09-10.33 | 2454353.83 | +4.4 | FAST | 3475-7417 | 1.47 | 6-7 | 22.0 | 6.8 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-09-12.34 | 2454355.84 | +6.3 | FAST | 3476-7418 | 1.47 | 6-7 | 37.0 | 2.0 | 1.08 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2007-09-13.33 | 2454356.83 | +7.3 | FAST | 3474-7416 | 1.47 | 6-7 | 36.0 | 0.7 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2007-09-14.22 | 2454357.72 | +8.2 | MMTblue | 3220-8330 | 1.95 | 6-7 | 0.0 | 2.7 | 1.13 | BD28 | ··· | 1.0 | 2×600 | WBl, PC |
| 2007-09-18.35 | 2454361.85 | +12.3 | FAST | 3478-7420 | 1.47 | 6-7 | 48.0 | 0.1 | 1.12 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-09-20.28 | 2454363.78 | +14.2 | FAST | 3473-7414 | 1.47 | 6-7 | 0.0 | 1.0 | 1.04 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| 2007-10-09.23 | 2454382.73 | +32.9 | FAST | 3477-7419 | 1.47 | 6-7 | 0.0 | 10.6 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-10-13.20 | 2454386.70 | +36.8 | FAST | 3479-7420 | 1.47 | 6-7 | 90.0 | 80.8 | 1.04 | G191/HD19 | 1 | 3.0 | 1200 | WBr |
| **SN 2007hu** | | | | | | | | | | | | | | |
| 2007-09-11.14 | 2454354.64 | @0.0 | FAST | 3476-7418 | 1.47 | 6-7 | 74.0 | 0.3 | 1.16 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-09-13.12 | 2454356.62 | @1.9 | MMTblue | 3220-8327 | 1.95 | 6-7 | 0.0 | 6.1 | 1.12 | BD28 | ··· | 1.0 | 2×600 | WBl, PC |
| **SN 2007if** | | | | | | | | | | | | | | |
| 2007-09-11.29 | 2454354.79 | +5.5 | MMTblue | 3220-8364 | 1.95 | 6-7 | 0.0 | 2.7 | 1.23 | BD28 | ··· | 1.0 | 600 | WBl, PC |
| 2007-09-11.39 | 2454354.89 | +5.6 | FAST | 3476-7418 | 1.47 | 6-7 | 0.0 | 1.8 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-09-12.30 | 2454355.80 | +6.4 | MMTblue | 3220-8364 | 1.95 | 6-7 | 0.0 | 2.7 | 1.17 | BD28 | ··· | 1.0 | 2×600 | WBl, PC |
| 2007-09-13.35 | 2454356.85 | +7.4 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 58.8 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-09-15.46 | 2454358.96 | +9.4 | FAST | 3477-7419 | 1.47 | 6-7 | 53.0 | 0.5 | 1.17 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-09-20.36 | 2454363.86 | +13.9 | FAST | 3473-7415 | 1.47 | 6-7 | 90.0 | 86.5 | 1.04 | BD28/BD17 | 2 | 3.0 | 1800 | PBe |
| 2007-10-10.31 | 2454383.81 | +32.5 | FAST | 3475-7417 | 1.47 | 6-7 | 0.0 | 2.5 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-10-11.30 | 2454384.80 | +33.4 | FAST | 3476-7417 | 1.47 | 6-7 | −27.0 | 12.6 | 1.05 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-10-14.34 | 2454387.84 | +36.3 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 51.3 | 1.08 | G191/HD19 | 2 | 3.0 | 1800 | WBr |
| 2007-11-05.34 | 2454409.84 | +56.7 | FAST | 3475-7416 | 1.47 | 6-7 | 50.0 | 7.7 | 1.26 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2008-01-11.17 | 2454476.67 | +119.0 | MMTblue | 3205-8397 | 1.95 | 6-7 | 0.0 | 4.0 | 1.35 | F34/H600 | ··· | 1.0 | 3×900 | ··· |
| **SN 2007ir** | | | | | | | | | | | | | | |
| 2007-09-18.47 | 2454361.97 | @0.0 | FAST | 3476-7418 | 1.47 | 6-7 | 91.0 | 20.4 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| **SN 2007is** | | | | | | | | | | | | | | |
| 2007-09-19.14 | 2454362.64 | @0.0 | FAST | 3473-7415 | 1.47 | 6-7 | 87.0 | 0.5 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 974 | PBe |
| 2007-10-11.13 | 2454384.63 | @21.4 | FAST | 3473-7415 | 1.47 | 6-7 | 70.0 | 8.2 | 1.61 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| **SN 2007jg** | | | | | | | | | | | | | | |
| 2007-09-20.46 | 2454363.96 | −2.3 | FAST | 3473-7415 | 1.47 | 6-7 | 0.0 | 0.4 | 1.17 | BD28/BD17 | 2 | 3.0 | 1800 | PBe |
| 2007-10-06.44 | 2454379.94 | +13.1 | FAST | 3475-7417 | 1.47 | 6-7 | 10.0 | 0.8 | 1.18 | G191/HD19 | 2 | 3.0 | 1800 | PBe |
| **SN 2007kd** | | | | | | | | | | | | | | |
| 2007-10-06.51 | 2454380.01 | @0.0 | FAST | 3472-7414 | 1.47 | 6-7 | 90.0 | 11.9 | 1.40 | G191/HD19 | 2 | 3.0 | 900 | PBe |
| **SN 2007kf** | | | | | | | | | | | | | | |
| 2007-10-07.12 | 2454380.62 | @0.0 | FAST | 3475-7416 | 1.47 | 6-7 | 110.0 | 10.6 | 1.43 | BD28/BD17 | 2 | 3.0 | 972 | PBe |
| **SN 2007kg** | | | | | | | | | | | | | | |
| 2007-10-06.39 | 2454379.89 | @0.0 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 26.3 | 1.32 | G191/HD19 | 2 | 3.0 | 841 | PBe |
| **SN 2007ki** | | | | | | | | | | | | | | |
| 2007-10-06.50 | 2454380.00 | @0.0 | FAST | 3474-7415 | 1.47 | 6-7 | 100.0 | 5.4 | 1.06 | G191/HD19 | 2 | 3.0 | 900 | PBe |
| 2007-10-07.48 | 2454380.98 | @1.0 | FAST | 3474-7415 | 1.47 | 6-7 | 105.0 | 0.1 | 1.11 | BD28/BD17 | 2 | 3.0 | 1200 | PBe |
| **SN 2007kk** | | | | | | | | | | | | | | |
| 2007-10-07.38 | 2454380.88 | −1.7 | FAST | 3474-7416 | 1.47 | 6-7 | 0.0 | 65.4 | 1.04 | BD28/BD17 | 2 | 3.0 | 1800 | PBe |
| 2007-10-08.41 | 2454381.91 | −0.8 | FAST | 3479-7420 | 1.47 | 6-7 | 0.0 | 19.7 | 1.01 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-10-10.39 | 2454383.89 | +1.1 | FAST | 3474-7416 | 1.47 | 6-7 | 59.0 | 12.8 | 1.02 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-10-11.36 | 2454384.86 | +2.1 | FAST | 3474-7416 | 1.47 | 6-7 | 73.0 | 5.5 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1500 | MC |
| 2007-10-12.49 | 2454385.99 | +3.2 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 9.9 | 1.09 | G191/HD19 | 1 | 3.0 | 1500 | WBr |
| 2007-10-13.46 | 2454386.96 | +4.1 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 19.8 | 1.05 | G191/HD19 | 2 | 3.0 | 1500 | WBr |
| 2007-10-14.37 | 2454387.87 | +5.0 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 38.2 | 1.02 | G191/HD19 | 2 | 3.0 | 1500 | WBr |
| 2007-10-15.32 | 2454388.82 | +5.9 | FAST | 3473-7415 | 1.47 | 6-7 | 85.0 | 3.4 | 1.10 | BD28/BD17 | 1.5 | 3.0 | 1500 | WBr |
| 2007-10-17.40 | 2454390.90 | +7.9 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 84.0 | 1.01 | BD28/BD17 | 2.0 | 3.0 | 1500 | RH |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007-10-18.40 | 2454391.90 | +8.8 | FAST | 3474-7415 | 1.47 | 6-7 | 90.0 | 67.9 | 1.01 | BD28/BD17 | 2.0 | 3.0 | 1500 | RH |
| 2007-10-19.39 | 2454392.89 | +9.8 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 84.3 | 1.01 | BD28/BD17 | 2.0 | 3.0 | 1800 | RH |
| 2007-10-31.34 | 2454404.84 | +21.3 | FAST | 3475-7416 | 1.47 | 6-7 | 0.0 | 39.6 | 1.01 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-11-04.33 | 2454408.83 | +25.1 | FAST | 3474-7416 | 1.47 | 6-7 | 65.0 | 30.8 | 1.01 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-11-06.38 | 2454410.88 | +27.1 | FAST | 3475-7417 | 1.47 | 6-7 | −30.0 | 26.4 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-11-09.40 | 2454413.90 | +30.0 | FAST | 3478-7420 | 1.47 | 6-7 | 90.0 | 13.7 | 1.07 | BD28/BD17 | 1-2 | 3.0 | 1800 | KR |
| 2008-01-11.27 | 2454476.77 | +90.4 | MMTblue | 3205-8398 | 1.95 | 6-7 | 0.0 | 38.4 | 1.18 | F34/H600 | ··· | 1.0 | 3×900 | ··· |
| | | | | | | **SN 2007le** | | | | | | | | |
| 2007-10-15.28 | 2454388.78 | −10.4 | FAST | 3475-7416 | 1.47 | 6-7 | 25.0 | 2.5 | 1.34 | BD28/BD17 | 1.5 | 3.0 | 720 | WBr |
| 2007-10-17.25 | 2454390.75 | −8.4 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 79.4 | 1.29 | BD28/BD17 | 2.0 | 3.0 | 1200 | RH |
| 2007-10-18.23 | 2454391.73 | −7.4 | FAST | 3475-7416 | 1.47 | 6-7 | 0.0 | 1.1 | 1.27 | BD28/BD17 | 2.0 | 3.0 | 1200 | RH |
| 2007-10-19.21 | 2454392.71 | −6.4 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 85.7 | 1.27 | BD28/BD17 | 2.0 | 3.0 | 1200 | RH |
| 2007-10-31.17 | 2454404.67 | +5.4 | FAST | 3475-7416 | 1.47 | 6-7 | −7.0 | 4.3 | 1.29 | BD28/BD17 | 1-2 | 3.0 | 900 | PBe |
| 2007-11-02.13 | 2454406.63 | +7.4 | FAST | 3473-7415 | 1.47 | 6-7 | 90.0 | 66.6 | 1.34 | BD28/BD17 | 1-2 | 3.0 | 1200 | TC |
| 2007-11-03.17 | 2454407.67 | +8.4 | FAST | 3476-7417 | 1.47 | 6-7 | −7.0 | 3.8 | 1.27 | BD28/BD17 | 1-2 | 3.0 | 1200 | TC |
| 2007-11-04.31 | 2454408.81 | +9.5 | FAST | 3474-7415 | 1.47 | 6-7 | 46.0 | 1.0 | 1.97 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-11-05.16 | 2454409.66 | +10.4 | FAST | 3475-7417 | 1.47 | 6-7 | −9.0 | 3.4 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1200 | MC |
| 2007-11-06.14 | 2454410.64 | +11.4 | FAST | 3476-7418 | 1.47 | 6-7 | −19.0 | 4.6 | 1.30 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-11-07.16 | 2454411.66 | +12.4 | FAST | 3476-7417 | 1.47 | 6-7 | −5.0 | 0.6 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1200 | PBe |
| 2007-11-08.16 | 2454412.66 | +13.4 | FAST | 3476-7418 | 1.47 | 6-7 | −5.0 | 0.8 | 1.27 | BD28/BD17 | 1-2 | 3.0 | 1200 | KR |
| 2007-11-09.18 | 2454413.68 | +14.4 | FAST | 3479-7420 | 1.47 | 6-7 | 10.0 | 0.0 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1200 | KR |
| 2007-11-10.17 | 2454414.67 | +15.4 | FAST | 3479-7420 | 1.47 | 6-7 | 5.0 | 1.3 | 1.27 | BD28/BD17 | 1-2 | 3.0 | 1200 | KR |
| 2007-11-11.21 | 2454415.71 | +16.4 | FAST | 3479-7418 | 1.47 | 6-7 | 20.0 | 2.8 | 1.34 | BD28/BD17 | 1-2 | 3.0 | 1200 | KR |
| 2007-11-12.20 | 2454416.70 | +17.4 | FAST | 3478-7419 | 1.47 | 6-7 | 20.0 | 0.4 | 1.33 | BD28/BD17 | 1-2 | 3.0 | 1200 | KR |
| 2007-11-13.14 | 2454417.64 | +18.3 | FAST | 3479-7418 | 1.47 | 6-7 | −10.0 | 5.3 | 1.27 | BD28/BD17 | 1-2 | 3.0 | 1500 | WP |
| 2007-11-14.18 | 2454418.68 | +19.3 | FAST | 3483-7422 | 1.47 | 6-7 | 20.0 | 3.9 | 1.30 | BD28/BD17 | 1-2 | 3.0 | 1500 | WP |
| 2007-11-15.16 | 2454419.66 | +20.3 | FAST | 3478-7419 | 1.47 | 6-7 | 0.0 | 4.5 | 1.28 | BD28/BD17 | 1-2 | 3.0 | 1500 | WP |
| 2007-11-16.14 | 2454420.64 | +21.3 | FAST | 3476-7417 | 1.47 | 6-7 | −6.0 | 3.7 | 1.27 | BD28/BD17 | 1-2 | 3.0 | 1200 | WP |
| 2007-12-04.12 | 2454438.62 | +39.2 | FAST | 3477-7419 | 1.47 | 6-7 | 15.0 | 4.3 | 1.29 | BD28/BD17 | 3 | 3.0 | 1500 | PBe |
| 2007-12-05.07 | 2454439.57 | +40.1 | FAST | 3476-7417 | 1.47 | 6-7 | −10.0 | 1.6 | 1.28 | BD28/BD17 | 3 | 3.0 | 1200 | PBe |
| 2007-12-13.21 | 2454447.71 | +48.2 | FAST | 3474-7413 | 1.47 | 6-7 | 90.0 | 40.9 | 2.18 | BD28/BD17 | 6 | 3.0 | 1500 | WP |
| 2007-12-15.11 | 2454449.61 | +50.1 | FAST | 3478-7417 | 1.47 | 6-7 | 20.0 | 3.2 | 1.35 | BD28/BD17 | 10 | 3.0 | 1800 | WP |
| 2007-12-18.12 | 2454452.62 | +53.1 | FAST | 3479-7420 | 1.47 | 6-7 | 24.0 | 3.9 | 1.39 | BD28/BD17 | 2-3 | 3.0 | 1500 | MC |
| 2008-01-01.11 | 2454466.61 | +67.0 | FAST | 3478-7419 | 1.47 | 6-7 | 38.0 | 1.1 | 1.58 | F34/HD19 | 2 | 3.0 | 1500 | PBe |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008-01-12.08 | 2454477.58 | +77.8 | FAST | 3475-7416 | 1.47 | 6-7 | 45.0 | 6.7 | 1.56 | F34/HD19 | 1-2 | 3.0 | 1800 | PBe |
| **SN 2007nq** | | | | | | | | | | | | | | |
| 2007-10-31.24 | 2454404.74 | +6.3 | FAST | 3475-7416 | 1.47 | 6-7 | 0.0 | 0.8 | 1.19 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-11-03.20 | 2454407.70 | +9.2 | FAST | 3476-7417 | 1.47 | 6-7 | −25.0 | 5.0 | 1.23 | BD28/BD17 | 1-2 | 3.0 | 1800 | TC |
| **SN 2007ob** | | | | | | | | | | | | | | |
| 2007-11-07.14 | 2454411.64 | @0.0 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 77.4 | 1.05 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2007-11-08.21 | 2454412.71 | @1.0 | FAST | 3476-7417 | 1.47 | 6-7 | 90.0 | 43.3 | 1.13 | BD28/BD17 | 1-2 | 3.0 | 1800 | KR |
| **SN 2007oo** | | | | | | | | | | | | | | |
| 2007-11-07.34 | 2454411.84 | @0.0 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 4.2 | 1.57 | BD28/BD17 | 1-2 | 3.0 | 1391 | PBe |
| **SN 2007qe** | | | | | | | | | | | | | | |
| 2007-11-15.28 | 2454419.78 | −9.4 | FAST | 3478-7419 | 1.47 | 6-7 | 70.0 | 2.6 | 1.29 | BD28/BD17 | 1-2 | 3.0 | 1800 | WP |
| 2007-11-16.11 | 2454420.61 | −8.6 | FAST | 3476-7417 | 1.47 | 6-7 | 0.0 | 68.2 | 1.03 | BD28/BD17 | 1-2 | 3.0 | 1800 | WP |
| 2007-12-03.12 | 2454437.62 | +8.0 | FAST | 3477-7416 | 1.47 | 6-7 | 11.0 | 34.3 | 1.01 | BD28/BD17 | 2-4 | 3.0 | 1800 | MC |
| 2007-12-04.14 | 2454438.64 | +9.0 | FAST | 3477-7419 | 1.47 | 6-7 | 65.0 | 0.6 | 1.02 | BD28/BD17 | 3 | 3.0 | 1800 | PBe |
| 2007-12-06.15 | 2454440.65 | +10.9 | FAST | 3474-7416 | 1.47 | 6-7 | 69.0 | 0.4 | 1.04 | BD28/BD17 | 2 | 3.0 | 1800 | PBe |
| 2007-12-14.07 | 2454448.57 | +18.7 | MMTblue | 3391-8585 | 1.95 | 8-9 | 0.0 | 5.5 | 1.00 | F34/H600 | ··· | 1.5 | 489,3×600 | PG |
| 2007-12-14.11 | 2454448.61 | +18.7 | FAST | 3479-7418 | 1.47 | 6-7 | 50.0 | 11.8 | 1.02 | BD28/BD17 | 2 | 3.0 | 1800 | WP |
| 2007-12-16.12 | 2454450.62 | +20.7 | FAST | 3479-7418 | 1.47 | 6-7 | 68.0 | 2.5 | 1.04 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| 2007-12-18.14 | 2454452.64 | +22.6 | FAST | 3480-7419 | 1.47 | 6-7 | 73.0 | 0.2 | 1.10 | BD28/BD17 | 2-3 | 3.0 | 1800 | MC |
| 2007-12-29.14 | 2454463.64 | +33.4 | FAST | 3473-7412 | 1.47 | 6-7 | 73.0 | 0.4 | 1.18 | F34/HD19 | 1-2 | 3.0 | 1445 | PBe |
| **SN 2007rx** | | | | | | | | | | | | | | |
| 2007-12-14.14 | 2454448.64 | @0.0 | FAST | 3479-7418 | 1.47 | 6-7 | 90.0 | 17.1 | 1.08 | BD28/BD17 | 2 | 3.0 | 1500 | WP |
| 2007-12-18.16 | 2454452.66 | @3.9 | FAST | 3479-7420 | 1.47 | 6-7 | 74.0 | 0.8 | 1.20 | BD28/BD17 | 2-3 | 3.0 | 1500 | MC |
| **SN 2007so** | | | | | | | | | | | | | | |
| 2007-12-16.21 | 2454450.71 | @0.0 | FAST | 3479-7418 | 1.47 | 6-7 | 0.0 | 10.8 | 1.06 | BD28/BD17 | 1-2 | 3.0 | 1800 | MC |
| **SN 2007sr** | | | | | | | | | | | | | | |
| 2007-12-29.53 | 2454464.03 | +14.5 | FAST | 3483-7421 | 1.47 | 6-7 | −5.0 | 1.7 | 1.58 | F34/HD19 | 1-2 | 3.0 | 780 | PBe |
| 2007-12-30.54 | 2454465.04 | +15.6 | FAST | 3478-7419 | 1.47 | 6-7 | 0.0 | 0.1 | 1.58 | F34/HD19 | 2 | 3.0 | 720 | PBe |
| 2007-12-31.53 | 2454466.03 | +16.5 | FAST | 3478-7420 | 1.47 | 6-7 | 3.0 | 2.5 | 1.58 | F34/HD19 | 1-2 | 3.0 | 720 | PBe |
| 2008-01-01.49 | 2454466.99 | +17.5 | FAST | 3480-7422 | 1.47 | 6-7 | −16.0 | 1.3 | 1.63 | F34/HD19 | 1-2 | 3.0 | 600 | MC |
| 2008-01-03.53 | 2454469.03 | +19.5 | FAST | 3480-7422 | 1.47 | 6-7 | 0.0 | 3.3 | 1.58 | F34/HD19 | 1-2 | 3.0 | 1200 | MC |
| 2008-01-11.53 | 2454477.03 | +27.5 | FAST | 3477-7418 | 1.47 | 6-7 | 4.0 | 4.8 | 1.60 | F34/HD19 | 1-2 | 3.0 | 600 | MC |
| 2008-01-29.52 | 2454495.02 | +45.4 | FAST | 3474-7416 | 1.47 | 6-7 | −21.0 | 45.4 | 1.77 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2008-03-01.37 | 2454526.87 | +77.0 | FAST | 3475-7417 | 1.47 | 6-7 | 90.0 | 89.4 | 1.58 | F34/HD84 | ··· | 3.0 | 1200 | GN |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008-03-09.36 | 2454534.86 | +85.0 | FAST | 3476-7418 | 1.47 | 6-7 | 4.0 | 1.2 | 1.58 | F34/HD84 | ··· | 3.0 | 1200 | JHe |
| 2008-04-02.32 | 2454558.82 | +108.8 | FAST | 3476-7418 | 1.47 | 6-7 | 9.0 | 4.5 | 1.63 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-04-10.30 | 2454566.80 | +116.7 | FAST | 3476-7418 | 1.47 | 6-7 | 15.0 | 0.0 | 1.64 | F34/HD84 | 1-2 | 3.0 | 1200 | KR |
| 2008-06-23.00 | 2454640.50 | +190.0 | LDSS3 | 3750-10741 | 2.01 | 9-10 | −82.0 | 16.4 | 1.18 | L4816/CD32 | ··· | 1.0 | 300,600 | PC, JA |
| **SN 2007ss** | | | | | | | | | | | | | | |
| 2007-12-30.51 | 2454465.01 | @0.0 | FAST | 3475-7416 | 1.47 | 6-7 | 47.0 | 2.4 | 1.09 | F34/HD19 | 2 | 3.0 | 1500 | PBe |
| 2008-01-01.48 | 2454466.98 | @1.9 | FAST | 3477-7418 | 1.47 | 6-7 | 65.0 | 4.5 | 1.14 | F34/HD19 | 1-2 | 3.0 | 1500 | MC |
| **SN 2007su** | | | | | | | | | | | | | | |
| 2007-12-29.08 | 2454463.58 | @0.0 | FAST | 3474-7413 | 1.47 | 6-7 | 60.0 | 2.9 | 1.36 | F34/HD19 | 1-2 | 3.0 | 1500 | PBe |
| 2007-12-31.09 | 2454465.59 | @2.0 | FAST | 3478-7419 | 1.47 | 6-7 | 59.0 | 0.3 | 1.47 | F34/HD19 | 2 | 3.0 | 1800 | PBe |
| 2008-01-01.09 | 2454466.59 | @2.9 | FAST | 3478-7419 | 1.47 | 6-7 | 58.0 | 0.8 | 1.48 | F34/HD19 | 1-2 | 3.0 | 1500 | MC |
| 2008-01-03.12 | 2454468.62 | @4.9 | FAST | 3479-7420 | 1.47 | 6-7 | 60.0 | 0.6 | 1.88 | F34/HD19 | 1-2 | 3.0 | 1800 | MC |
| **SN 2007sw** | | | | | | | | | | | | | | |
| 2007-12-31.51 | 2454466.01 | @0.0 | FAST | 3476-7417 | 1.47 | 6-7 | 90.0 | 52.0 | 1.05 | F34/HD19 | 1-2 | 3.0 | 900 | PBe |
| 2008-01-01.46 | 2454466.96 | @0.9 | FAST | 3477-7419 | 1.47 | 6-7 | 71.0 | 3.5 | 1.12 | F34/HD19 | 1-2 | 3.0 | 1500 | MC |
| 2008-01-03.52 | 2454469.02 | @2.9 | FAST | 3479-7420 | 1.47 | 6-7 | 15.0 | 7.5 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1320 | MC |
| 2008-01-11.54 | 2454477.04 | @10.8 | FAST | 3476-7417 | 1.47 | 6-7 | −23.0 | 7.8 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1200 | MC |
| 2008-01-29.50 | 2454495.00 | @28.3 | FAST | 3473-7414 | 1.47 | 6-7 | −28.0 | 9.7 | 1.05 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| **SN 2007ux** | | | | | | | | | | | | | | |
| 2008-01-01.38 | 2454466.88 | +5.8 | FAST | 3480-7422 | 1.47 | 6-7 | −45.0 | 5.2 | 1.14 | F34/HD19 | 1-2 | 3.0 | 1800 | MC |
| 2008-01-11.39 | 2454476.89 | +15.5 | MMTblue | 3206-8398 | 1.95 | 6-7 | 0.0 | 3.9 | 1.08 | F34/H600 | ··· | 1.0 | 900 | ··· |
| **SN 2008A** | | | | | | | | | | | | | | |
| 2008-01-05.08 | 2454470.58 | −7.9 | FAST | 3472-7413 | 1.47 | 6-7 | 90.0 | 54.2 | 1.00 | F34/HD19 | 1-2 | 3.0 | 2×1200 | PBe |
| 2008-01-06.11 | 2454471.61 | −6.9 | FAST | 3472-7413 | 1.47 | 6-7 | 90.0 | 27.0 | 1.01 | F34/HD19 | 1-2 | 3.0 | 1800 | PBe |
| 2008-01-09.13 | 2454474.63 | −3.9 | FAST | 3475-7416 | 1.47 | 6-7 | 102.0 | 4.9 | 1.05 | F34/HD19 | 1-2 | 3.0 | 1800 | MC |
| 2008-01-10.09 | 2454475.59 | −3.0 | FAST | 3477-7418 | 1.47 | 6-7 | −6.0 | 41.5 | 1.00 | F34/HD19 | 2 | 3.0 | 1800 | MC |
| 2008-01-11.19 | 2454476.69 | −1.9 | FAST | 3477-7418 | 1.47 | 6-7 | 85.0 | 1.1 | 1.22 | F34/HD19 | 2 | 3.0 | 1800 | MC |
| 2008-01-12.10 | 2454477.60 | −1.0 | FAST | 3475-7416 | 1.47 | 6-7 | 105.0 | 1.1 | 1.02 | F34/HD19 | 1-2 | 3.0 | 1800 | PBe |
| 2008-01-13.13 | 2454478.63 | +0.0 | FAST | 3475-7416 | 1.47 | 6-7 | 94.0 | 0.0 | 1.06 | F34/HD19 | 1-2 | 3.0 | 1800 | PBe |
| 2008-01-14.12 | 2454479.62 | +1.0 | FAST | 3478-7417 | 1.47 | 6-7 | 97.0 | 0.8 | 1.04 | F34/HD19 | 1-2 | 3.0 | 1800 | PBe |
| 2008-02-01.09 | 2454497.59 | +18.7 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 0.1 | 1.10 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-02-03.10 | 2454499.60 | +20.6 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 2.1 | 1.13 | F34/HD84 | 1 | 3.0 | 1800 | MC |
| 2008-02-06.13 | 2454502.63 | +23.6 | FAST | 3473-7412 | 1.47 | 6-7 | 82.0 | 0.4 | 1.29 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-02-10.10 | 2454506.60 | +27.5 | FAST | 3475-7417 | 1.47 | 6-7 | 85.0 | 1.1 | 1.22 | F34/HD84 | 1 | 3.0 | 1800 | MC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\lvert\Delta\Phi\rvert$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008-02-14.16 | 2454510.66 | +31.5 | FAST | 3476-7418 | 1.47 | 6-7 | 76.0 | 2.5 | 1.72 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-02-26.14 | 2454522.64 | +43.3 | FAST | 3476-7417 | 1.47 | 6-7 | 73.0 | 1.5 | 1.90 | F34/HD84 | 2-3 | 3.0 | 1800 | WP |
| **SN 2008C** | | | | | | | | | | | | | | |
| 2008-01-05.27 | 2454470.77 | +4.4 | FAST | 3472-7413 | 1.47 | 6-7 | 0.0 | 50.8 | 1.06 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2008-01-09.29 | 2454474.79 | +8.3 | FAST | 3476-7417 | 1.47 | 6-7 | −26.0 | 10.8 | 1.02 | F34/HD19 | 1-2 | 3.0 | 1200 | MC |
| 2008-01-11.32 | 2454476.82 | +10.3 | MMTblue | 3206-8398 | 1.95 | 6-7 | 0.0 | 1.0 | 1.03 | F34/H600 | ··· | 1.0 | 2×180 | ··· |
| 2008-01-13.28 | 2454478.78 | +12.3 | FAST | 3476-7417 | 1.47 | 6-7 | −10.0 | 12.4 | 1.02 | F34/HD19 | 1-2 | 3.0 | 1200 | PBe |
| 2008-01-30.28 | 2454495.78 | +29.0 | FAST | 3475-7416 | 1.47 | 6-7 | 40.0 | 5.5 | 1.05 | F34/HD84 | 2-3 | 3.0 | 1200 | PBe |
| 2008-02-12.27 | 2454508.77 | +41.7 | FAST | 3476-7418 | 1.47 | 6-7 | 45.0 | 9.1 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2008-04-02.14 | 2454558.64 | +90.8 | MMTblue | 3203-8395 | 1.95 | 6-7 | 0.0 | 5.1 | 1.10 | G191/BD26 | ··· | 1.0 | 900 | PC, RF |
| **SN 2008E** | | | | | | | | | | | | | | |
| 2008-02-03.40 | 2454499.90 | @0.0 | FAST | 3473-7414 | 1.47 | 6-7 | 24.0 | 9.7 | 1.07 | F34/HD84 | 1 | 3.0 | 1800 | MC |
| **SN 2008L** | | | | | | | | | | | | | | |
| 2008-02-02.15 | 2454498.65 | +5.6 | FAST | 3475-7416 | 1.47 | 6-7 | 109.0 | 2.2 | 1.09 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2008Q** | | | | | | | | | | | | | | |
| 2008-02-02.11 | 2454498.61 | −7.2 | FAST | 3475-7417 | 1.47 | 6-7 | 53.0 | 0.3 | 1.36 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2008-02-03.12 | 2454499.62 | −6.2 | FAST | 3474-7415 | 1.47 | 6-7 | 54.0 | 0.8 | 1.45 | F34/HD84 | 1 | 3.0 | 1200 | MC |
| 2008-02-06.11 | 2454502.61 | −3.2 | FAST | 3473-7414 | 1.47 | 6-7 | 55.0 | 0.5 | 1.43 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2008-02-07.13 | 2454503.63 | −2.2 | FAST | 3473-7415 | 1.47 | 6-7 | 57.0 | 0.3 | 1.67 | F34/HD84 | 2 | 3.0 | 1200 | PBe |
| 2008-02-08.14 | 2454504.64 | −1.2 | FAST | 3474-7416 | 1.47 | 6-7 | 58.0 | 0.4 | 1.86 | F34/HD84 | 3 | 3.0 | 1200 | PBe |
| 2008-02-09.09 | 2454505.59 | −0.3 | FAST | 3475-7417 | 1.47 | 6-7 | 52.0 | 1.4 | 1.38 | F34/HD84 | 3 | 3.0 | 1200 | PBe |
| **SN 2008R** | | | | | | | | | | | | | | |
| 2008-02-02.13 | 2454498.63 | +5.3 | FAST | 3475-7417 | 1.47 | 6-7 | 22.0 | 2.9 | 1.51 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| **SN 2008Y** | | | | | | | | | | | | | | |
| 2008-02-09.41 | 2454505.91 | @0.0 | FAST | 3474-7416 | 1.47 | 6-7 | −2.0 | 9.0 | 1.09 | F34/HD84 | 3 | 3.0 | 1800 | MC |
| 2008-02-29.35 | 2454525.85 | @18.6 | FAST | 3475-7417 | 1.47 | 6-7 | 90.0 | 83.8 | 1.09 | F34/HD84 | ··· | 3.0 | 1800 | GN |
| **SN 2008Z** | | | | | | | | | | | | | | |
| 2008-02-09.31 | 2454505.81 | −9.2 | FAST | 3475-7417 | 1.47 | 6-7 | 66.0 | 10.1 | 1.01 | F34/HD84 | 3 | 3.0 | 1500 | MC |
| 2008-02-10.33 | 2454506.83 | −8.2 | FAST | 3475-7417 | 1.47 | 6-7 | 20.0 | 36.2 | 1.00 | F34/HD84 | 1 | 3.0 | 1500 | MC |
| 2008-02-11.30 | 2454507.80 | −7.3 | FAST | 3477-7418 | 1.47 | 6-7 | 65.0 | 2.1 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2008-02-12.33 | 2454508.83 | −6.3 | FAST | 3476-7417 | 1.47 | 6-7 | 90.0 | 84.1 | 1.00 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2008-02-13.33 | 2454509.83 | −5.3 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 74.1 | 1.00 | F34/HD84 | 1-2 | 3.0 | 1500 | PBe |
| 2008-02-14.34 | 2454510.84 | −4.3 | FAST | 3476-7418 | 1.47 | 6-7 | −35.0 | 25.8 | 1.01 | F34/HD84 | 2-3 | 3.0 | 1500 | MC |
| 2008-02-26.44 | 2454522.94 | +7.6 | FAST | 3475-7417 | 1.47 | 6-7 | 80.0 | 1.3 | 1.44 | F34/HD84 | 2-3 | 3.0 | 1500 | WP |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008-02-29.28 | 2454525.78 | +10.3 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 68.9 | 1.00 | F34/HD84 | ··· | 3.0 | 1800 | GN |
| 2008-03-02.25 | 2454527.75 | +12.3 | FAST | 3475-7417 | 1.47 | 6-7 | 90.0 | 34.4 | 1.01 | F34/HD84 | ··· | 3.0 | 1500 | AV |
| 2008-03-07.27 | 2454532.77 | +17.2 | FAST | 3475-7417 | 1.47 | 6-7 | 90.0 | 52.9 | 1.01 | F34/HD84 | fair | 3.0 | 1500 | AV |
| 2008-03-11.28 | 2454536.78 | +21.1 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 19.6 | 1.02 | F34/HD84 | ··· | 3.0 | 1500 | JHe |
| 2008-03-13.36 | 2454538.86 | +23.1 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 4.5 | 1.21 | F34/HD84 | 1-1.5 | 3.0 | 1500 | WBr |
| 2008-04-01.17 | 2454557.67 | +41.6 | MMTblue | 3273-8464 | 1.94 | 6-7 | 0.0 | 43.0 | 1.01 | G191/BD26 | ··· | 1.0 | 600 | PC, RF |
| 2008-04-07.24 | 2454563.74 | +47.5 | FAST | 3475-7417 | 1.47 | 6-7 | 97.0 | 1.6 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-04-16.16 | 2454572.66 | +56.2 | FAST | 3839-7420 | 1.47 | 6-7 | −7.0 | 36.2 | 1.01 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-05-10.15 | 2454596.65 | +79.7 | FAST | 3604-7416 | 1.47 | 6-7 | 97.0 | 3.3 | 1.09 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SN 2008ae** | | | | | | | | | | | | | | |
| 2008-02-10.36 | 2454506.86 | −1.0 | FAST | 3475-7417 | 1.47 | 6-7 | 7.0 | 9.0 | 1.08 | F34/HD84 | 1 | 3.0 | 1800 | MC |
| 2008-02-11.32 | 2454507.82 | −0.1 | FAST | 3477-7419 | 1.47 | 6-7 | 0.0 | 11.8 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-02-12.35 | 2454508.85 | +0.9 | FAST | 3477-7418 | 1.47 | 6-7 | 15.0 | 2.1 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-02-13.35 | 2454509.85 | +1.9 | FAST | 3477-7419 | 1.47 | 6-7 | 11.0 | 4.3 | 1.08 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-02-14.32 | 2454510.82 | +2.8 | FAST | 3477-7418 | 1.47 | 6-7 | −15.0 | 9.0 | 1.07 | F34/HD84 | 2-3 | 3.0 | 1800 | MC |
| 2008-02-26.41 | 2454522.91 | +14.6 | FAST | 3475-7417 | 1.47 | 6-7 | 50.0 | 4.4 | 1.38 | F34/HD84 | 5-6 | 3.0 | 1800 | WP |
| **SN 2008af** | | | | | | | | | | | | | | |
| 2008-02-11.48 | 2454507.98 | +5.9 | FAST | 3477-7419 | 1.47 | 6-7 | 0.0 | 49.3 | 1.10 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-03-01.49 | 2454526.99 | +24.3 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 88.4 | 1.04 | F34/HD84 | ··· | 3.0 | 1800 | GN |
| **SN 2008ai** | | | | | | | | | | | | | | |
| 2008-02-28.36 | 2454524.86 | @0.0 | FAST | 3476-7414 | 1.47 | 6-7 | 90.0 | 37.3 | 1.01 | F34/HD84 | 2-3 | 3.0 | 1800 | WP |
| **SN 2008ar** | | | | | | | | | | | | | | |
| 2008-02-29.39 | 2454525.89 | −8.5 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 86.9 | 1.07 | F34/HD84 | ··· | 3.0 | 1800 | GN |
| 2008-03-01.39 | 2454526.89 | −7.5 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 87.9 | 1.07 | F34/HD84 | ··· | 3.0 | 1500 | GN |
| 2008-03-02.40 | 2454527.90 | −6.6 | FAST | 3475-7417 | 1.47 | 6-7 | 90.0 | 75.0 | 1.08 | F34/HD84 | ··· | 3.0 | 1200 | AV |
| 2008-03-04.40 | 2454529.90 | −4.6 | FAST | 3478-7419 | 1.47 | 6-7 | 90.0 | 75.1 | 1.08 | F34/HD84 | ··· | 3.0 | 1500 | AV |
| 2008-03-05.38 | 2454530.88 | −3.7 | FAST | 3474-7415 | 1.47 | 6-7 | 90.0 | 88.8 | 1.07 | F34/HD84 | fair | 3.0 | 1200 | AV |
| 2008-03-06.40 | 2454531.90 | −2.7 | FAST | 3487-7432 | 1.47 | 6-7 | 90.0 | 65.8 | 1.09 | F34/HD84 | ··· | 3.0 | 1200 | AV |
| 2008-03-07.38 | 2454532.88 | −1.7 | FAST | 3474-7418 | 1.47 | 6-7 | 90.0 | 83.6 | 1.07 | F34/HD84 | fair | 3.0 | 1800 | AV |
| 2008-03-08.43 | 2454533.93 | −0.7 | FAST | 3476-7418 | 1.47 | 6-7 | 40.0 | 0.2 | 1.14 | F34/HD84 | ··· | 3.0 | 1200 | AV |
| 2008-03-10.36 | 2454535.86 | +1.2 | FAST | 3475-7416 | 1.47 | 6-7 | 90.0 | 88.9 | 1.07 | F34/HD84 | ··· | 3.0 | 1200 | JHe |
| 2008-03-12.36 | 2454537.86 | +3.1 | FAST | 3474-7416 | 1.47 | 6-7 | 90.0 | 87.6 | 1.07 | F34/HD84 | ··· | 3.0 | 1200 | JHe |
| 2008-03-13.37 | 2454538.87 | +4.1 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 74.0 | 1.08 | F34/HD84 | 1-1.5 | 3.0 | 1200 | WBr |
| 2008-03-14.29 | 2454539.79 | +5.0 | FAST | 3476-7418 | 1.47 | 6-7 | −40.0 | 1.1 | 1.14 | F34/HD84 | 1.5-2. | 3.0 | 1200 | WBr |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008-03-16.47 | 2454541.97 | +7.2 | FAST | 3478-7420 | 1.47 | 6-7 | 56.0 | 0.2 | 1.43 | F34/HD84 | 1.5-2. | 3.0 | 1200 | WBr |
| 2008-04-01.31 | 2454557.81 | +22.6 | FAST | 3477-7419 | 1.47 | 6-7 | 1.0 | 3.7 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-04-04.46 | 2454560.96 | +25.7 | FAST | 3476-7417 | 1.47 | 6-7 | 59.0 | 0.4 | 1.95 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-04-07.29 | 2454563.79 | +28.4 | FAST | 3476-7418 | 1.47 | 6-7 | 5.0 | 1.3 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-04-14.30 | 2454570.80 | +35.3 | FAST | 3478-7420 | 1.47 | 6-7 | 90.0 | 61.5 | 1.10 | F34/HD84 | 1-2 | 3.0 | 1800 | KR |
| 2008-05-05.21 | 2454591.71 | +55.6 | FAST | 3477-7419 | 1.47 | 6-7 | 0.0 | 1.1 | 1.07 | F34/HD84 | 1.5 | 3.0 | 1200 | WBr |
| 2008-05-10.18 | 2454596.68 | +60.5 | FAST | 3475-7417 | 1.47 | 6-7 | −19.0 | 8.1 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2008-06-25.00 | 2454642.50 | +105.1 | LDSS3 | 3750-10348 | 2.01 | 9-10 | −48.7 | 20.4 | 1.40 | EG131 | ··· | 1.0 | 900 | PC, JA |
| **SN 2008as** | | | | | | | | | | | | | | |
| 2008-03-01.33 | 2454526.83 | @0.0 | FAST | 3476-7418 | 1.47 | 6-7 | 5.0 | 4.3 | 1.62 | F34/HD84 | ··· | 3.0 | 1800 | GN |
| **SN 2008at** | | | | | | | | | | | | | | |
| 2008-03-05.30 | 2454530.80 | @0.0 | FAST | 3697-7414 | 1.47 | 6-7 | 0.0 | 5.1 | 1.30 | F34/HD84 | fair | 3.0 | 1800 | AV |
| **SN 2008bf** | | | | | | | | | | | | | | |
| 2008-03-30.31 | 2454555.81 | +0.7 | FAST | 3477-7419 | 1.47 | 6-7 | 19.0 | 9.6 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2008-04-01.29 | 2454557.79 | +2.6 | FAST | 3477-7419 | 1.47 | 6-7 | 1.0 | 0.3 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2008-04-02.35 | 2454558.85 | +3.6 | FAST | 3477-7419 | 1.47 | 6-7 | 53.0 | 3.4 | 1.09 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-04-03.30 | 2454559.80 | +4.5 | FAST | 3477-7419 | 1.47 | 6-7 | 8.0 | 11.0 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2008-04-06.29 | 2454562.79 | +7.5 | FAST | 3474-7416 | 1.47 | 6-7 | 15.0 | 6.5 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | PBe |
| 2008-04-09.33 | 2454565.83 | +10.4 | FAST | 3480-7425 | 1.47 | 6-7 | 90.0 | 35.3 | 1.08 | F34/HD84 | 2-3 | 3.0 | 1200 | KR |
| 2008-04-10.28 | 2454566.78 | +11.4 | FAST | 3476-7417 | 1.47 | 6-7 | 90.0 | 61.9 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1200 | KR |
| 2008-04-12.30 | 2454568.80 | +13.3 | FAST | 3477-7419 | 1.47 | 6-7 | 90.0 | 41.0 | 1.06 | F34/HD84 | 1-2 | 3.0 | 1200 | KR |
| 2008-04-15.24 | 2454571.74 | +16.2 | FAST | 3478-7420 | 1.47 | 6-7 | −31.0 | 9.9 | 1.02 | F34/HD84 | 1-2 | 3.0 | 1200 | MC |
| 2008-05-01.22 | 2454587.72 | +31.8 | FAST | 3475-7417 | 1.47 | 6-7 | 15.0 | 12.5 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-05-08.31 | 2454594.81 | +38.7 | FAST | 3477-7419 | 1.47 | 6-7 | 64.0 | 0.5 | 1.32 | F34/HD84 | 1-2 | 3.0 | 1500 | MC |
| 2008-05-11.20 | 2454597.70 | +41.5 | FAST | 3476-7418 | 1.47 | 6-7 | 20.0 | 6.0 | 1.03 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-05-30.16 | 2454616.66 | +60.0 | FAST | 3475-7417 | 1.47 | 6-7 | 50.0 | 3.7 | 1.05 | F34/HD84 | 2 | 3.0 | 1800 | WP |
| 2008-06-07.19 | 2454624.69 | +67.9 | FAST | 3474-7416 | 1.47 | 6-7 | 59.0 | 3.2 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| **SNF20080514-002** | | | | | | | | | | | | | | |
| 2008-05-28.31 | 2454614.81 | +2.6 | FAST | 3474-7416 | 1.47 | 6-7 | 60.0 | 4.4 | 1.39 | F34/HD84 | 2 | 3.0 | 1800 | WP |
| 2008-05-29.25 | 2454615.75 | +3.5 | FAST | 3475-7417 | 1.47 | 6-7 | 32.0 | 9.9 | 1.15 | F34/HD84 | 2 | 3.0 | 1800 | WP |
| 2008-05-30.22 | 2454616.72 | +4.4 | FAST | 3475-7408 | 1.47 | 6-7 | 18.0 | 8.5 | 1.09 | F34/HD84 | 2 | 3.0 | 1800 | WP |
| 2008-05-31.18 | 2454617.68 | +5.4 | FAST | 3475-7417 | 1.47 | 6-7 | −13.0 | 10.0 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| 2008-06-01.19 | 2454618.69 | +6.4 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 81.6 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| 2008-06-03.16 | 2454620.66 | +8.3 | FAST | 3478-7420 | 1.47 | 6-7 | −20.0 | 5.7 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | TG |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008-06-05.16 | 2454622.66 | +10.2 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 86.3 | 1.07 | F34/HD84 | 2 | 3.0 | 1800 | EF |
| 2008-06-06.33 | 2454623.83 | +11.4 | MMTblue | 3176-8370 | 1.95 | 6-7 | 0.0 | 3.4 | 1.87 | F34/HD84 | ··· | 1.0 | 900 | ··· |
| 2008-06-07.22 | 2454624.72 | +12.3 | FAST | 3475-7417 | 1.47 | 6-7 | 34.0 | 5.7 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-06-10.21 | 2454627.71 | +15.2 | FAST | 3476-7418 | 1.47 | 6-7 | 39.0 | 0.7 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-06-11.16 | 2454628.66 | +16.1 | FAST | 3478-7420 | 1.47 | 6-7 | −4.0 | 10.2 | 1.07 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-06-23.00 | 2454640.50 | +27.7 | LDSS3 | 3749-10740 | 2.01 | 9-10 | −25.2 | 21.2 | 1.31 | L4816/CD32 | ··· | 1.0 | 2×300 | PC, JA |
| **SNF20080522-000** | | | | | | | | | | | | | | |
| 2008-05-31.21 | 2454617.71 | −4.1 | FAST | 3475-7417 | 1.47 | 6-7 | 0.0 | 16.0 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| 2008-06-01.23 | 2454618.73 | −3.1 | FAST | 3477-7419 | 1.47 | 6-7 | 35.0 | 8.8 | 1.16 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| 2008-06-03.19 | 2454620.69 | −1.2 | FAST | 3478-7420 | 1.47 | 6-7 | −10.0 | 17.3 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | TG |
| 2008-06-04.17 | 2454621.67 | −0.3 | FAST | 3475-7417 | 1.47 | 6-7 | −15.0 | 8.7 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | EF |
| 2008-06-05.19 | 2454622.69 | +0.7 | FAST | 3476-7418 | 1.47 | 6-7 | 90.0 | 80.2 | 1.12 | F34/HD84 | 2 | 3.0 | 1800 | EF |
| 2008-06-06.31 | 2454623.81 | +1.8 | MMTblue | 3176-8371 | 1.95 | 6-7 | 0.0 | 1.9 | 1.75 | F34/HD84 | ··· | 1.0 | 2×600 | ··· |
| 2008-06-08.20 | 2454625.70 | +3.6 | FAST | 3475-7417 | 1.47 | 6-7 | 27.0 | 3.8 | 1.15 | F34/HD84 | 1 | 3.0 | 1800 | PBe |
| 2008-06-09.18 | 2454626.68 | +4.5 | FAST | 3475-7417 | 1.47 | 6-7 | 10.0 | 4.4 | 1.13 | F34/HD84 | 1 | 3.0 | 1800 | PBe |
| 2008-06-11.21 | 2454628.71 | +6.5 | FAST | 3478-7420 | 1.47 | 6-7 | −14.0 | 45.0 | 1.18 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-06-12.22 | 2454629.72 | +7.4 | FAST | 3480-7422 | 1.47 | 6-7 | 38.0 | 0.9 | 1.23 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-06-23.04 | 2454640.54 | +17.8 | LDSS3 | 3749-10738 | 2.01 | 9-10 | −45.0 | 21.3 | 1.26 | L4816/CD32 | ··· | 1.0 | 180,300 | PC, JA |
| 2008-06-26.05 | 2454643.55 | +20.7 | LDSS3 | 3750-10348 | 2.01 | 9-10 | −48.2 | 18.7 | 1.29 | EG131 | ··· | 1.0 | 300,450 | PC, JA |
| **SNF20080522-011** | | | | | | | | | | | | | | |
| 2008-05-31.25 | 2454617.75 | +0.5 | FAST | 3475-7417 | 1.47 | 6-7 | −13.0 | 7.3 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| 2008-06-01.30 | 2454618.80 | +1.5 | FAST | 3477-7419 | 1.47 | 6-7 | 25.0 | 0.1 | 1.16 | F34/HD84 | 1-2 | 3.0 | 1800 | WP |
| 2008-06-03.26 | 2454620.76 | +3.4 | FAST | 3478-7420 | 1.47 | 6-7 | 0.0 | 8.0 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | TG |
| 2008-06-06.35 | 2454623.85 | +6.4 | MMTblue | 3176-8371 | 1.95 | 6-7 | 0.0 | 1.9 | 1.40 | F34/HD84 | ··· | 1.0 | 600 | ··· |
| 2008-06-06.38 | 2454623.88 | +6.4 | FAST | 3474-7416 | 1.47 | 6-7 | 53.0 | 0.6 | 1.68 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-06-09.26 | 2454626.76 | +9.2 | FAST | 3476-7418 | 1.47 | 6-7 | 16.0 | 0.1 | 1.13 | F34/HD84 | 1 | 3.0 | 1800 | PBe |
| 2008-06-10.24 | 2454627.74 | +10.1 | FAST | 3476-7418 | 1.47 | 6-7 | 5.0 | 1.7 | 1.12 | F34/HD84 | 1-2 | 3.0 | 1800 | PBe |
| 2008-06-12.25 | 2454629.75 | +12.1 | FAST | 3480-7422 | 1.47 | 6-7 | 8.0 | 7.0 | 1.13 | F34/HD84 | 1-2 | 3.0 | 1800 | MC |
| 2008-06-23.05 | 2454640.55 | +22.5 | LDSS3 | 3749-10740 | 2.01 | 9-10 | −16.2 | 22.3 | 1.21 | L4816/CD32 | ··· | 1.0 | 2×300 | PC, JA |
| 2008-06-26.11 | 2454643.61 | +25.4 | LDSS3 | 3750-10348 | 2.01 | 9-10 | −47.7 | 20.3 | 1.27 | EG131 | ··· | 1.0 | 2×500 | PC, JA |
| 2008-07-30.18 | 2454677.68 | +58.3 | MMTblue | 3227-8425 | 1.95 | 6-7 | 0.0 | 2.8 | 1.30 | BD28/bd17470 | ··· | 1.0 | 2×900 | PC |
| **SNF20080623-001** | | | | | | | | | | | | | | |
| 2008-06-30.31 | 2454647.81 | −2.6 | FAST | 3472-7414 | 1.47 | 6-7 | 0.0 | 11.3 | 1.06 | BD28/BD17 | 3 | 3.0 | 1800 | PBe |
| 2008-07-30.24 | 2454677.74 | +26.1 | MMTblue | 3229-8429 | 1.95 | 6-7 | 0.0 | 6.7 | 1.06 | BD28/bd17470 | ··· | 1.0 | 900 | PC |

Table A1—Continued

| UT Date[a] | HJD[b] | Phase[c] (d) | Tel./Instr.[d] | Range[e] (Å) | Disp.[f] (Å/pix) | Res.[g] (Å) | P.A.[h] (°) | $\|\Delta\Phi\|$[i] (°) | Air.[j] | Flux Std.[k] | See.[l] (″) | Slit[m] (″) | Exp.[n] (s) | Observer(s)[o] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SNF20080720-001** | | | | | | | | | | | | | | |
| 2008-07-24.44 | 2454671.94 | −0.4 | FAST | 3750-7417 | 1.47 | 6-7 | 90.0 | 7.6 | 1.08 | BD28/BD17 | 1-2 | 3.0 | 1800 | PBe |
| 2008-07-29.47 | 2454676.97 | +4.6 | FAST | 3472-7414 | 1.47 | 6-7 | 69.0 | 7.0 | 1.02 | BD28/BD26 | 1-2 | 3.0 | 1500 | MC |
| 2008-07-30.46 | 2454677.96 | +5.5 | MMTblue | 3230-8428 | 1.95 | 6-7 | 0.0 | 63.0 | 1.02 | BD28/bd17470 | ··· | 1.0 | 600 | PC |
| 2008-08-01.44 | 2454679.94 | +7.5 | FAST | 3477-7419 | 1.47 | 6-7 | 90.0 | 17.7 | 1.04 | BD28/BD26 | 1-2 | 3.0 | 812 | PBe |

[a]UT at midpoint of observation(s).

[b]Heliocentric Julian date at midpoint of observation(s).

[c]Rest-frame phase of spectrum in days relative to $B$-band maximum. For SNe Ia with no reliable estimate for the time of maximum, we indicate the rest-frame days relative to the first spectrum preceded by an "@" symbol

[d]Telescope and instrument used for this spectrum: FAST = FLWO 1.5 m+FAST, IMACS = Magellan Baade+IMACS, LDSS2 = Magellan Clay+LDSS2, LDSS3 = Magellan Clay+LDSS3, MMTblue = MMT+Blue Channel, MMTred = MMT+Red Channel.

[e]Observed wavelength range of spectrum.

[f]Spectral dispersion in Å per pixel.

[g]Approximate FWHM spectral resolution in Å.

[h]Observed position angle during the observation(s).

[i]Absolute difference between the observed position angle and the average parallactic angle over the course of the observation(s).

[j]Airmass of the observation.

[k]Standard stars: BD17 = BD+17°4708, BD26 = BD+26°2606, BD28 = BD+28°4211, BD33 = BD+33°2642, CD32 = CD-32 9927, EG131 = EG 131, EG274 = EG 274, F15 = Feige 15, F25 = Feige 25, F34 = Feige 34, F56 = Feige 56, F66 = Feige 66, F67 = Feige 67, F110 = Feige 110, G191 = G191B2B, H102 = Hiltner 102, H600 = Hiltner 600, HD19 = HD 192281, HD21 = HD 217086, HD84 = HD 84937, HZ44 = HZ 44, HZ14 = HZ 14, L3218 = LTT 3218, L3864 = LTT 3864, L4816 = LTT 4816, vMa2 = van Maanen 2.

[l]Seeing is based upon estimates by the observers.

[m]Spectroscopic slit width.

[n]Exposure time. Separate exposures are indicated.

[o]Observers: EA = E. Adams, VA = V. Antoniou, HA = H. Arce, JA = J. P. Anderson, ZB = Z. Balog, PBa = P. Barmby, EB = E. Barton, JB = J. Battat, PBe = P. Berlind, GB = G. Bernstein, WBl = W. P. Blair, SB = S. Blondin, AB = A. E. Bragg, CB = C. Briceño, WBr = W. Brown, NC = N. Caldwell, MC = M. L. Calkins, BC = B. J. Carter,

PC = P. Challis, JC = J. R. Cho, CC = C. Clemens, ACo = A. Cody, ACr = A. Crook, TC = T. Currie, RC = R. M. Cutri, KD = K. Dendy, AD = A. Diamond-Stanic, ND = N. Dinshaw, JDon = J. L. Donley, JDow = J. J. Downes, KE = K. Eriksen, GE = G. Esquerdo, EF = E. E. Falco, RF = R. Fesen, CF = C. B. Foltz, JF = J. Foster, JGa = J. Gallagher, AG = A. Garg, PG = P. M. Garnavich, IG = I. Ginsburg, JGr = J. Graves, NG = N. Grogin, TG = T. Groner, VH = V. Hradecky, HH = H. Hao, CHei = C. Heinke, CHel = C. Heller, JHe = J. Hernandez, MH = M. Hicken, CHi = C. Hill, JHuc = J. P. Huchra, JHug = J. P. Hughes, CHu = C. Hutcheson, RH = R. Hutchins, RJ = R. Jansen, SJ = S. Jha, SKa = S. J. Kannapan, SKe = S. Kenyon, RK = R. P. Kirshner, DK = D. M. Koranyi, JK = J. Kuraszkiewicz, HL = H. Landt, TL = T. Lappin, NL = N. Lepore, LM = L. Macri, JM = J. A. Mader, AM = A. Mahdavi, EM = E. Mamajek, SMa = S. A. Mao, NM = N. Martimbeau, TM = T. Matheson, MM = M. Modjaz, FM = F. Munshi, SMu = S. Muscarella, GN = G. Narayan, PN = P. Nutzman, CP = C. A. Pantoja, BP = B. M. Patten, KP = K. Penev, JPe = J. Peters, WP = W. Peters, MP = M. Phelps, JPi = J. Piñeda, AR = A. G. Riess, KR = K. Rines, BS = B. P. Schmidt, MS = M. Schrödter, JS = J. D. Silverman, IS = I. Song, ST = S. Tokarz, MT = M. Torres, CT = C. Tremonti, AV = A. Vaz, LW = L. Wells, MW = M. Westover, RW = R. J. Weymann.

[p]Spectra with $\sim 400$ Å-wide gaps ($\sim$6150-6550 Å) between blue and red halves.

[q]The first two standard stars were used to calibrate a spectrum taken with our standard grating tilt, while the third was used to calibrate a spectrum taken with a red tilt.

[r]Spectra accidently ommitted from Matheson et al. (2008).

[s]Spectra strongly affected by dark-current problems following UV flashing, for which we have trimmed off a portion of the spectrum.

## REFERENCES

Matheson, T., et al. 2008, AJ, 135, 1598