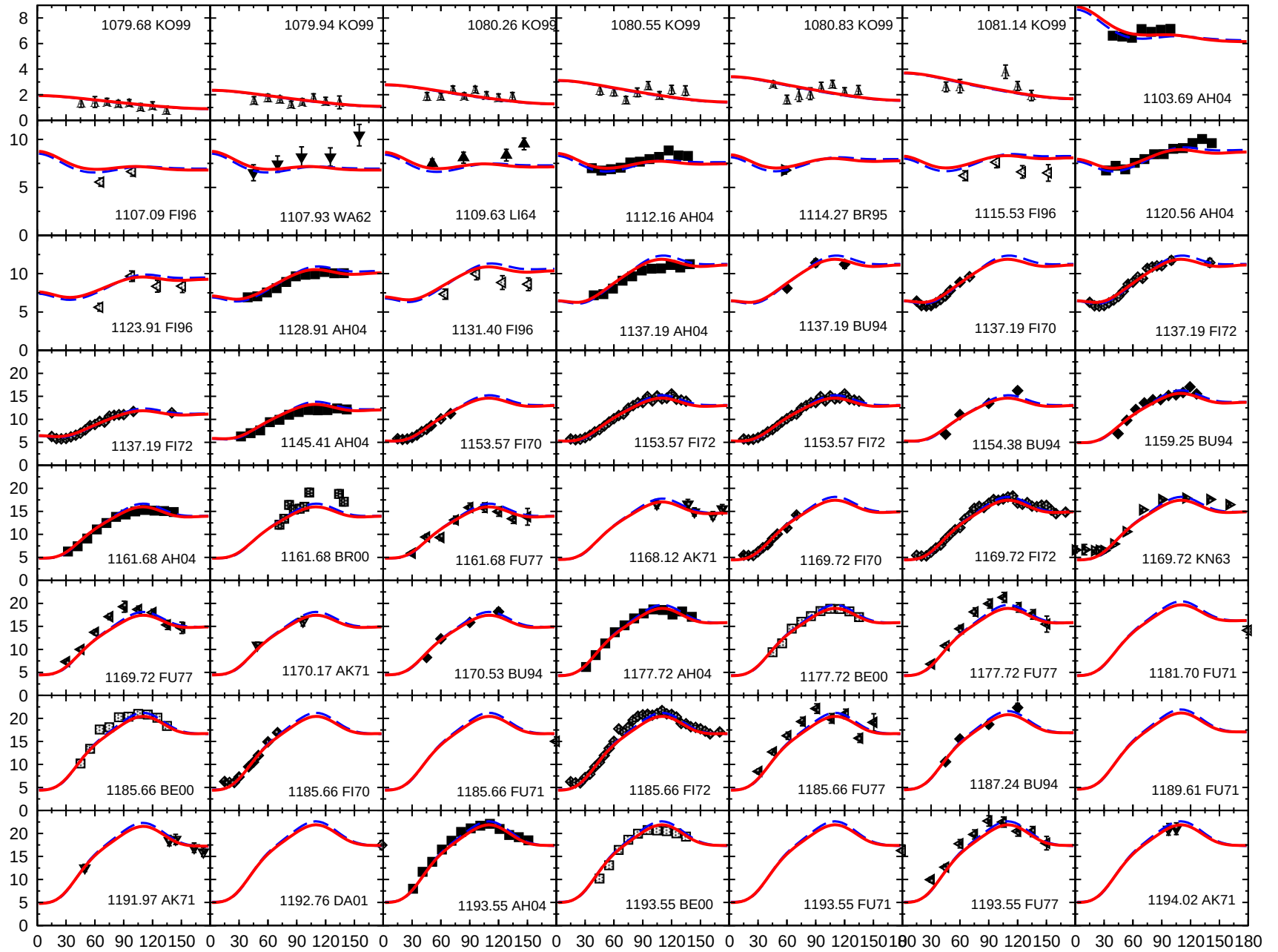
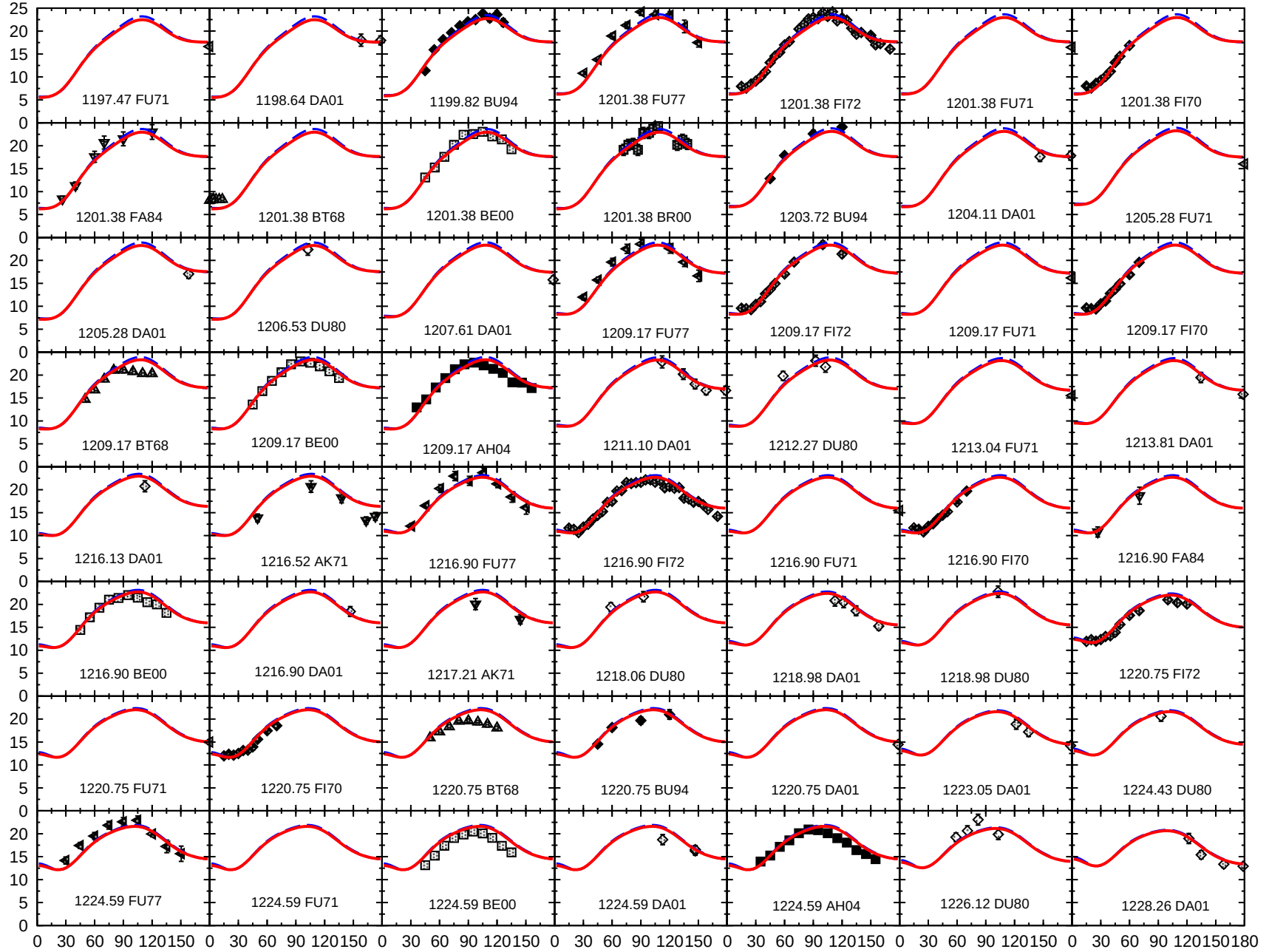
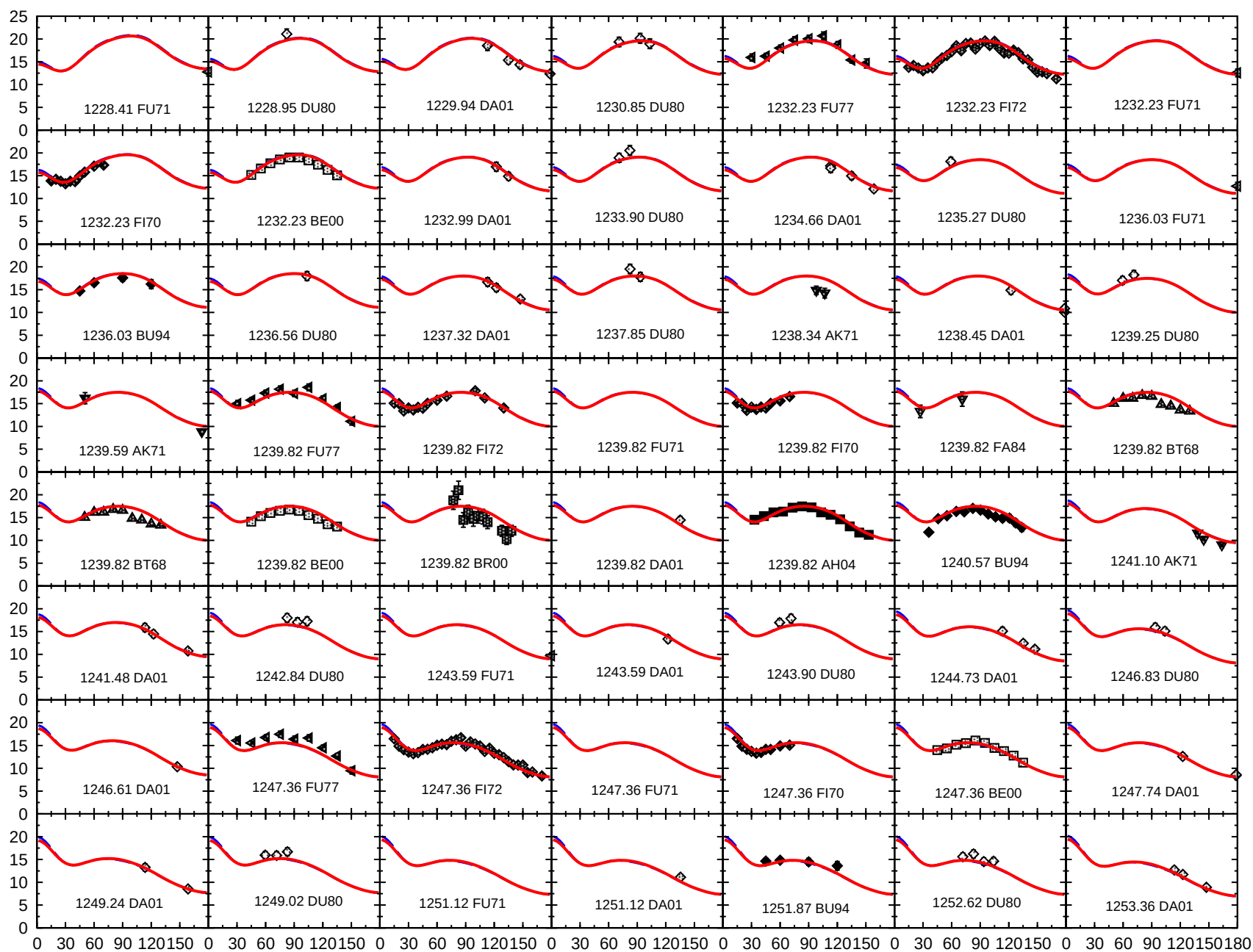
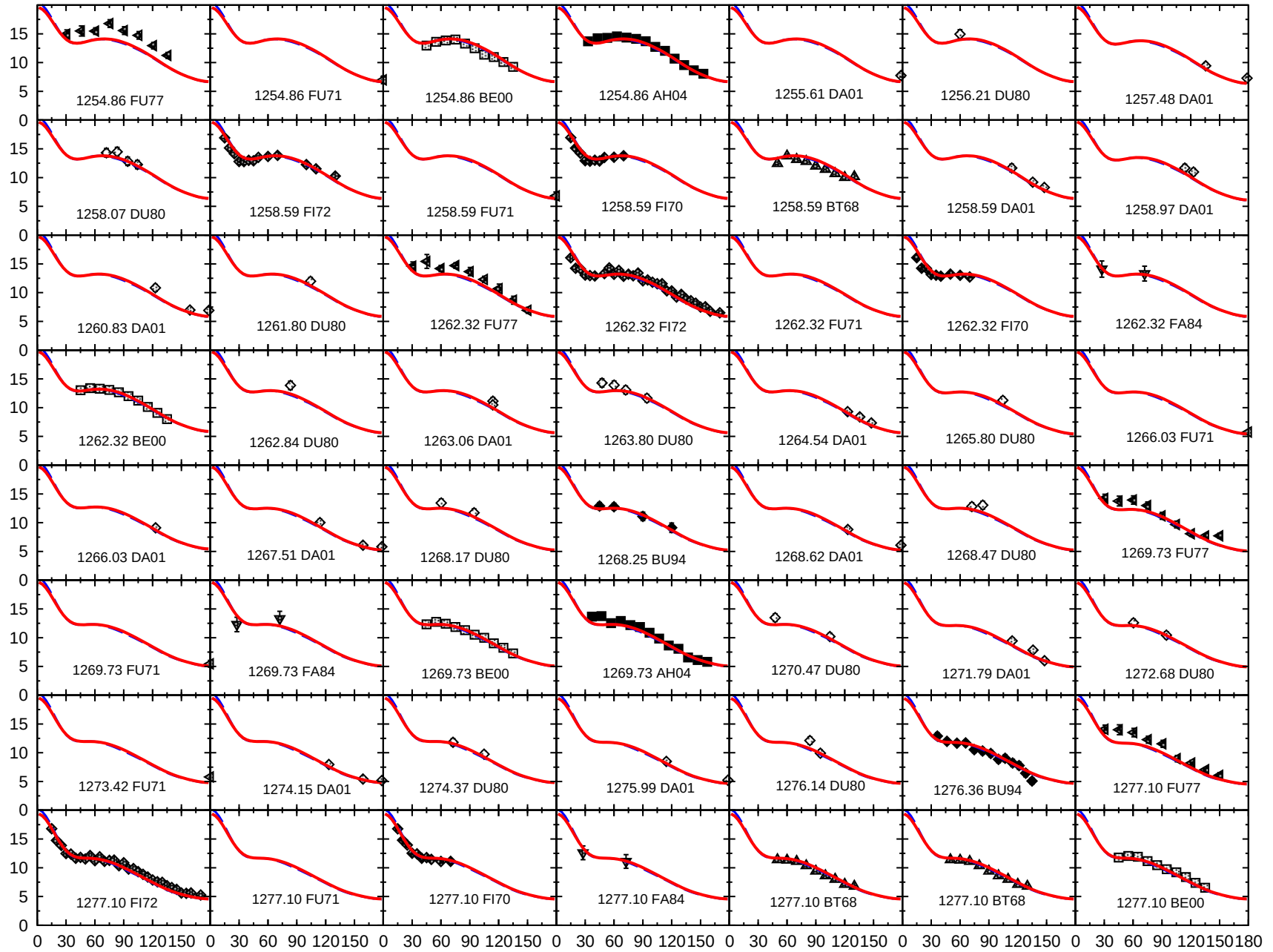
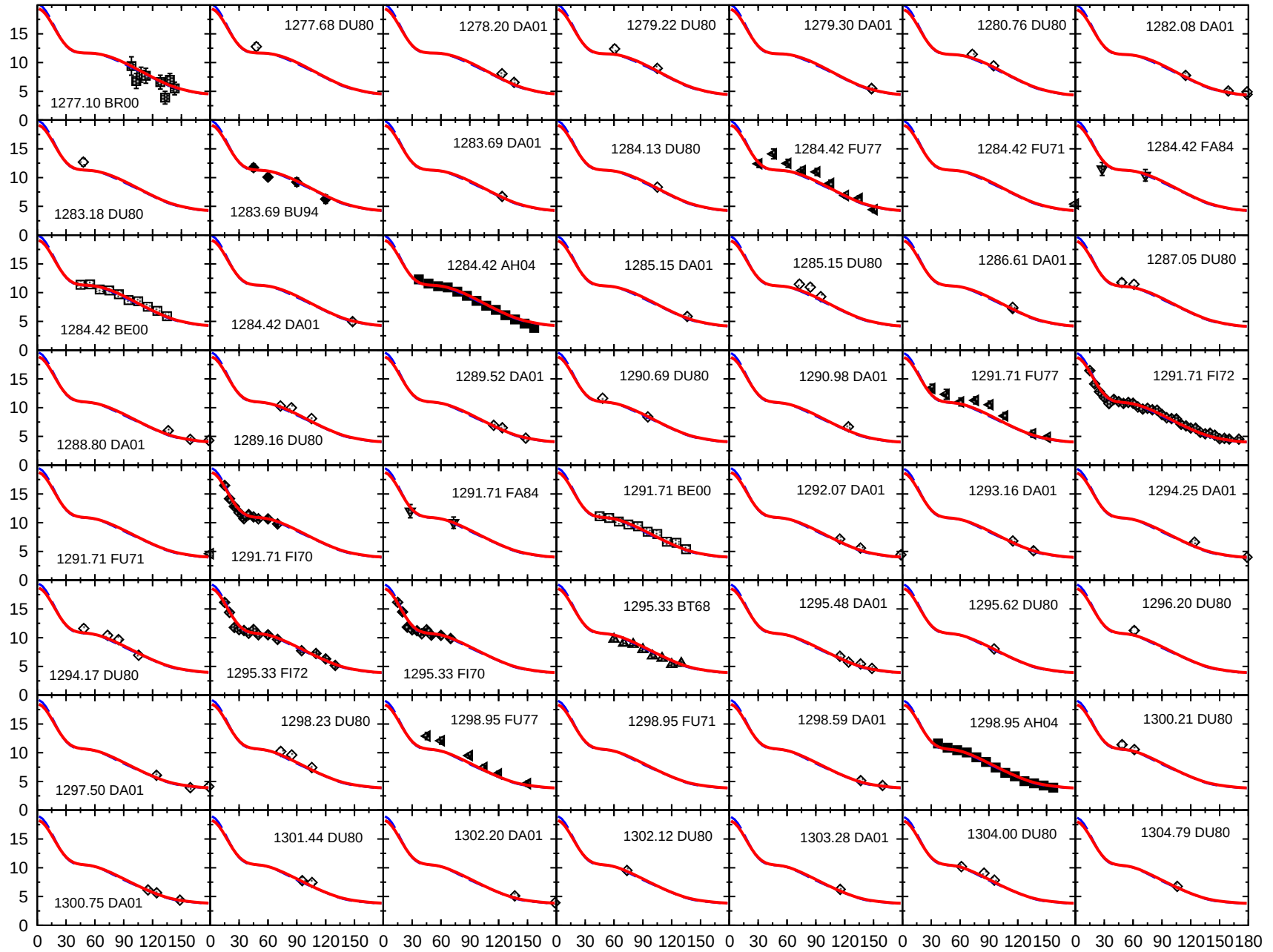


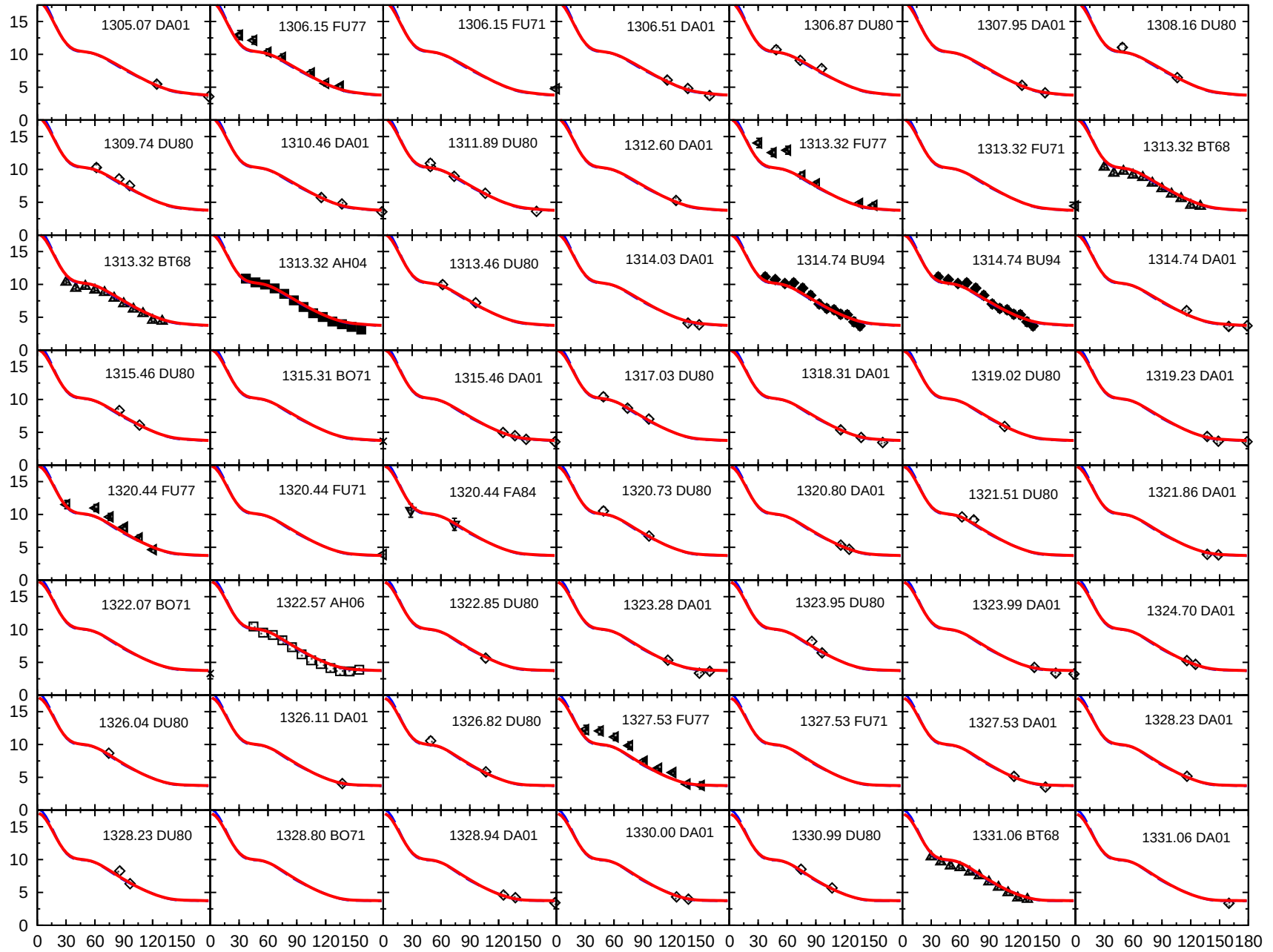


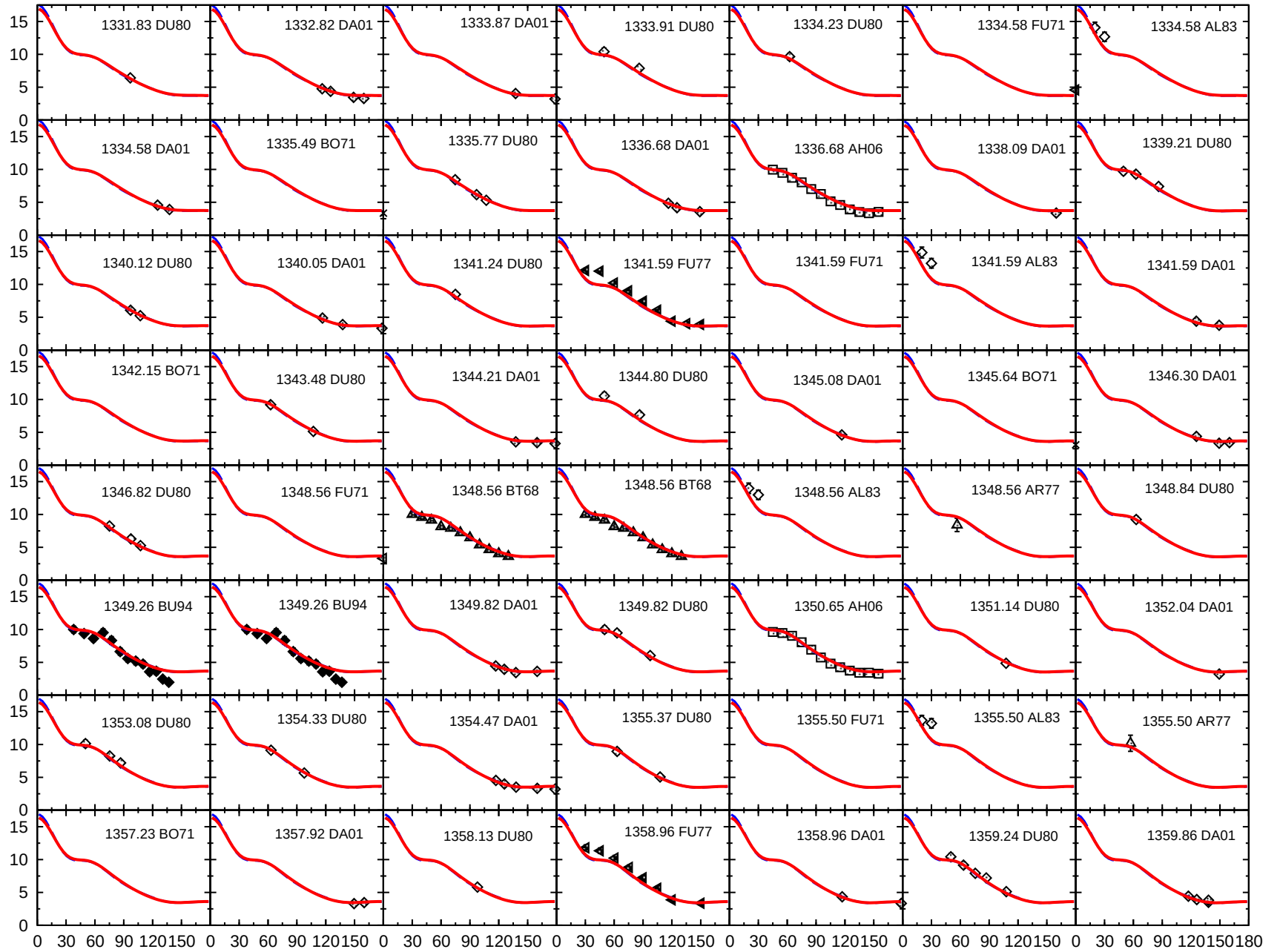


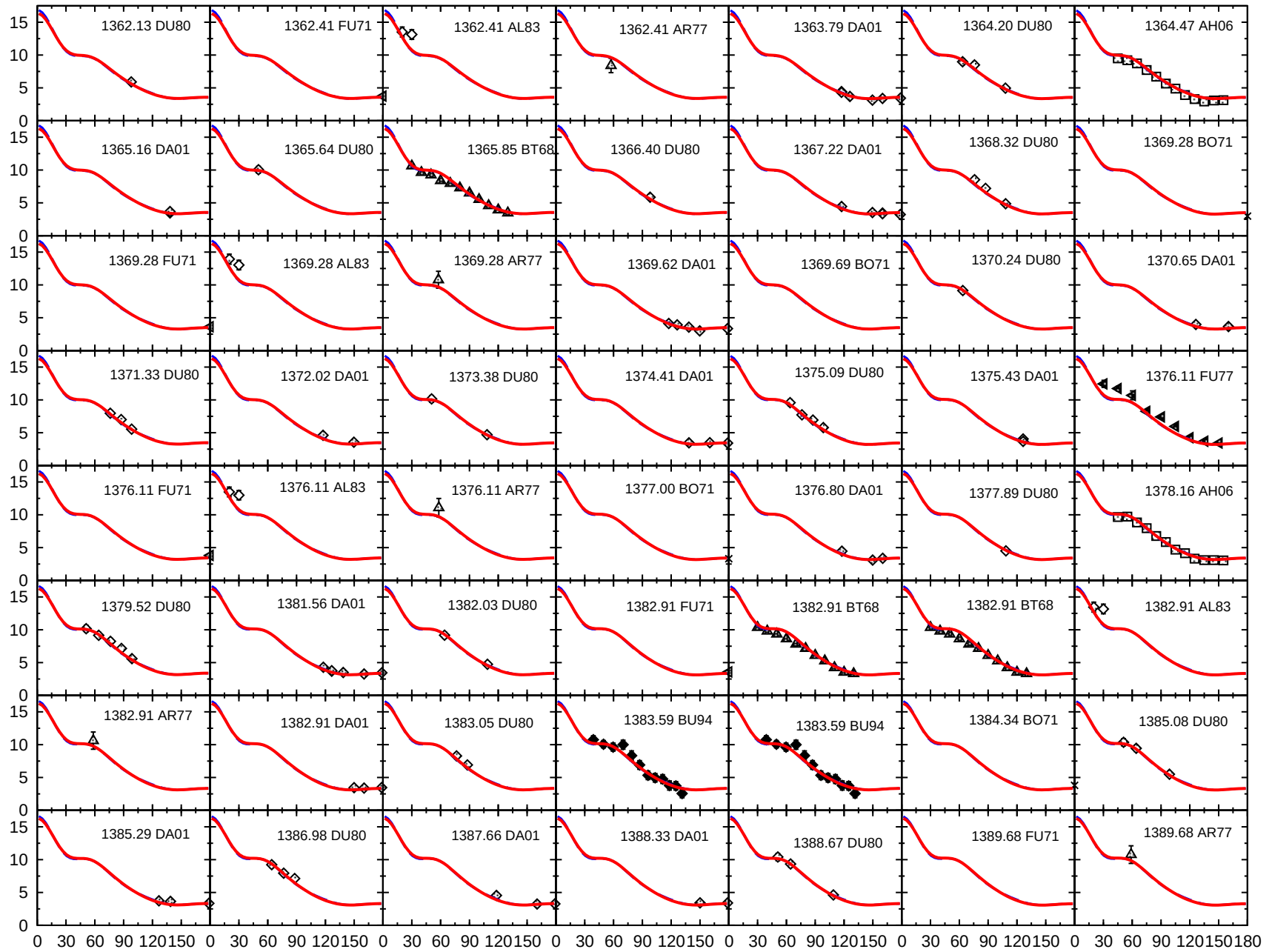


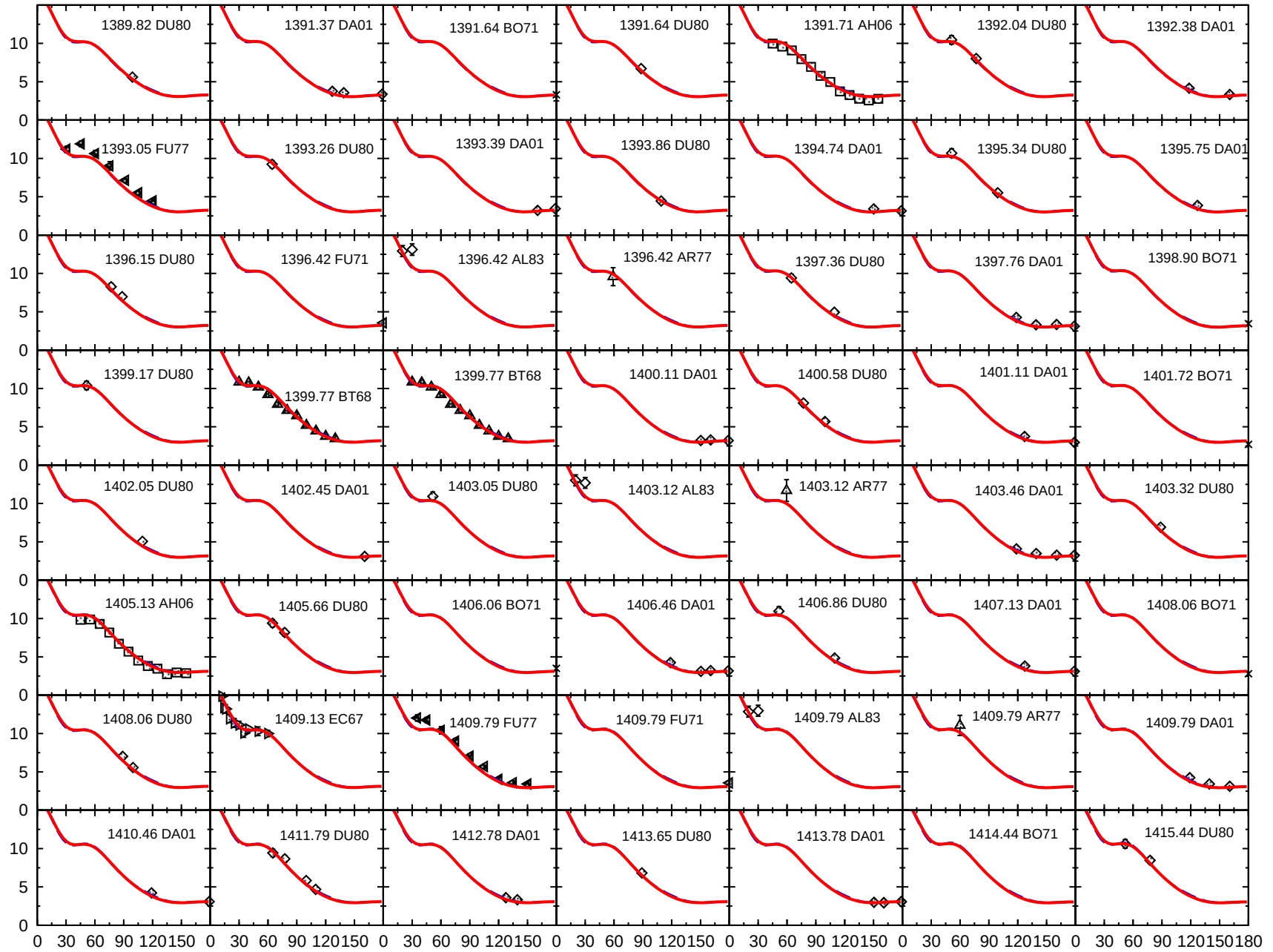


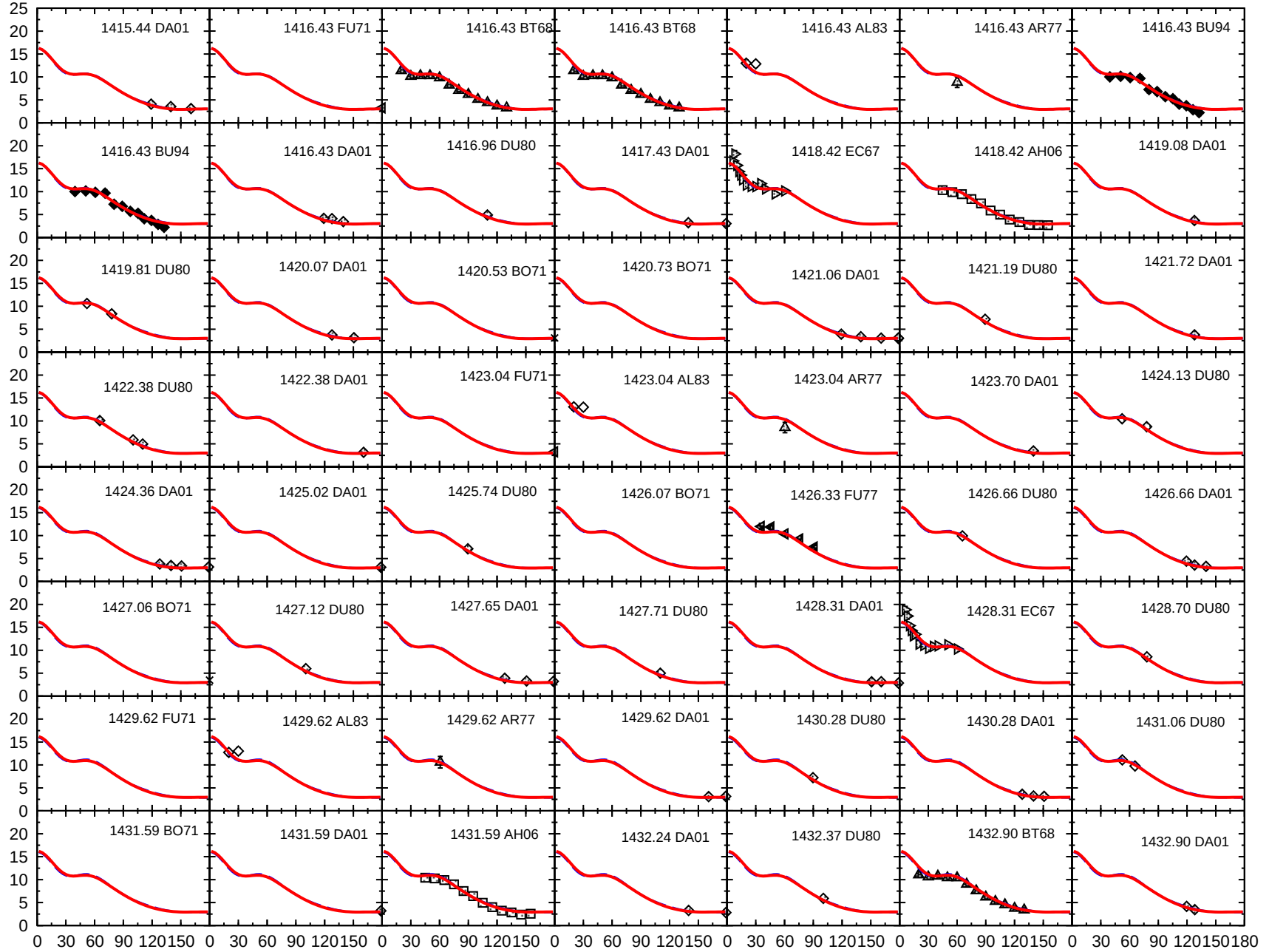


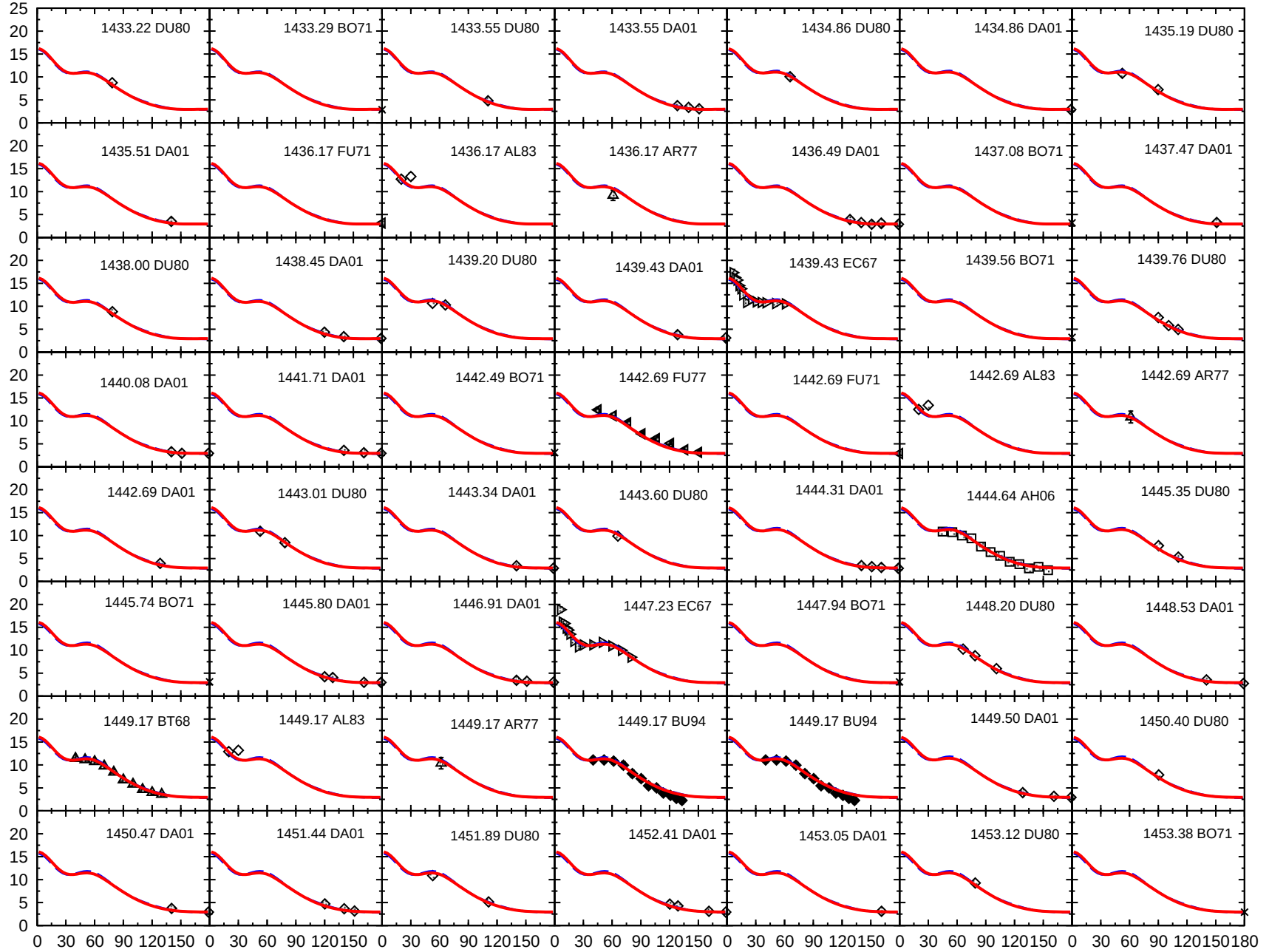


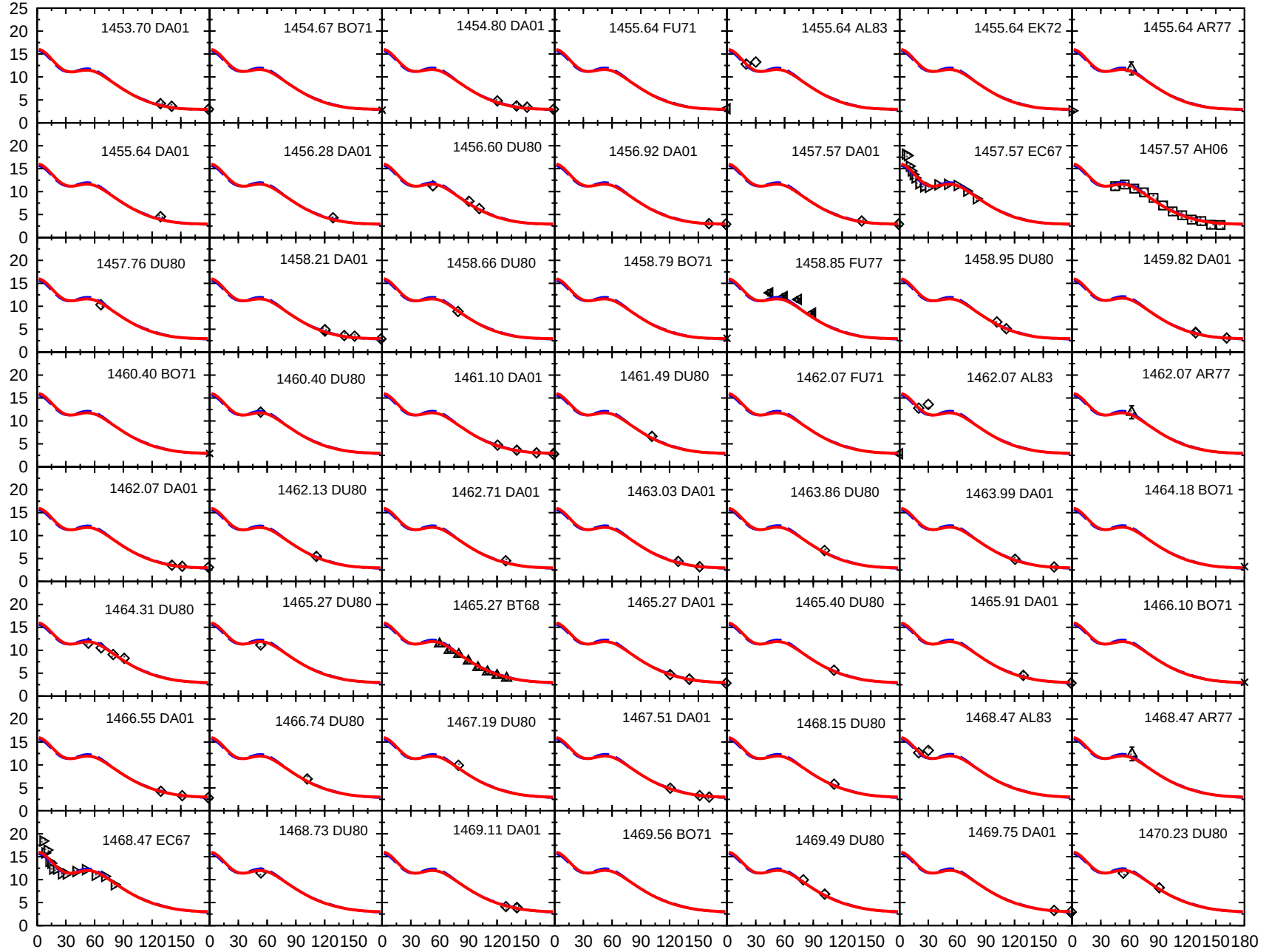


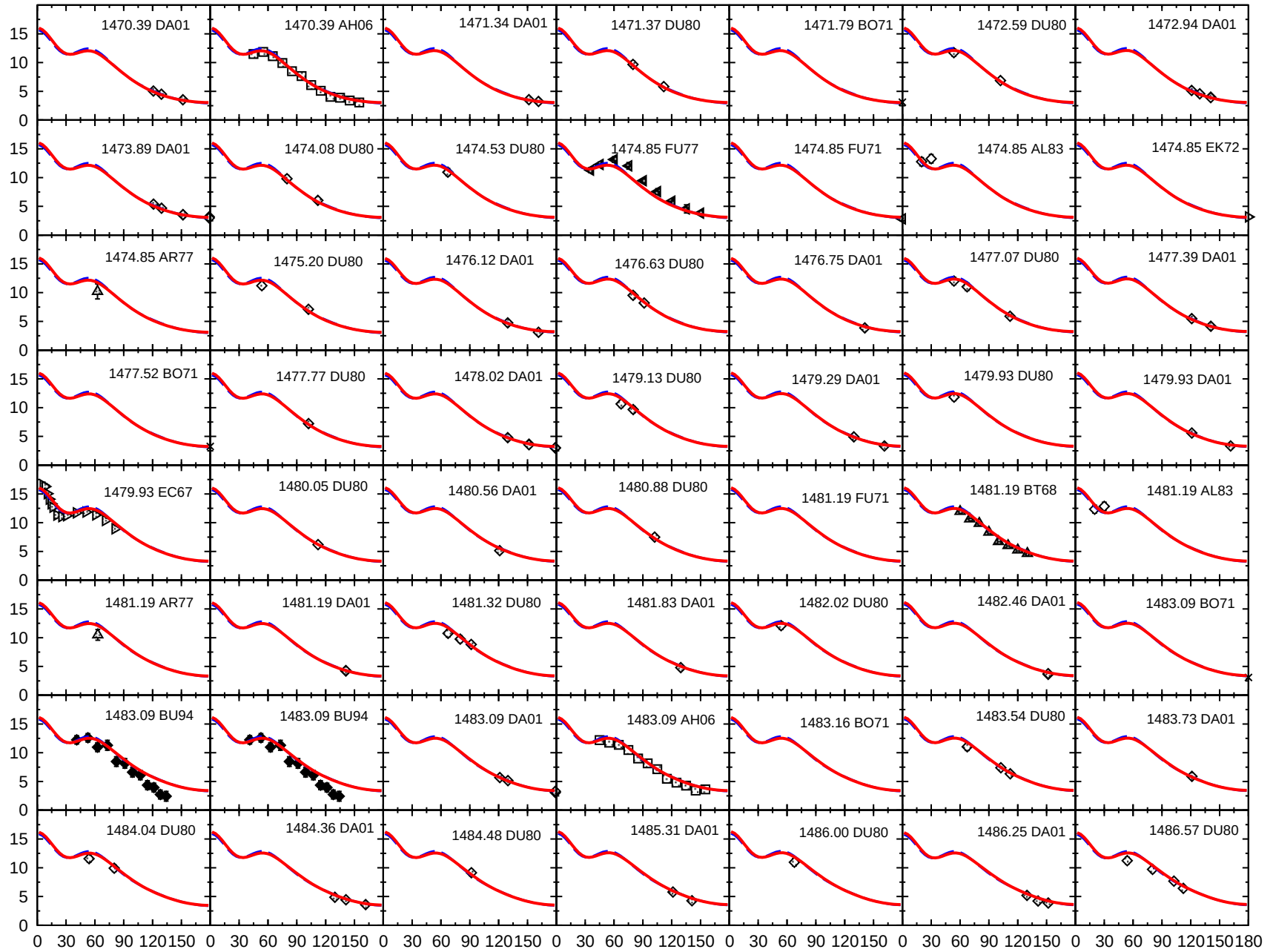


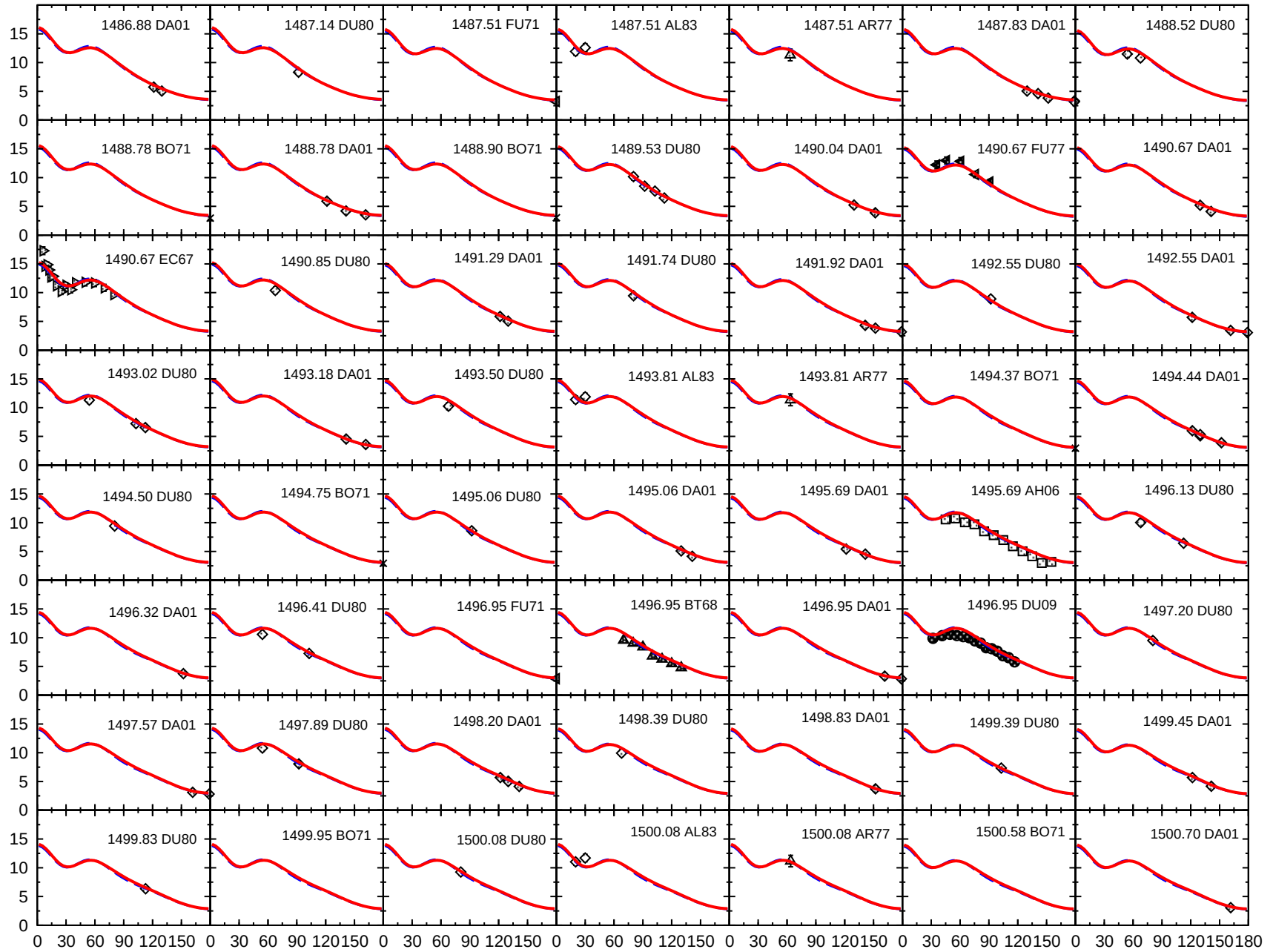


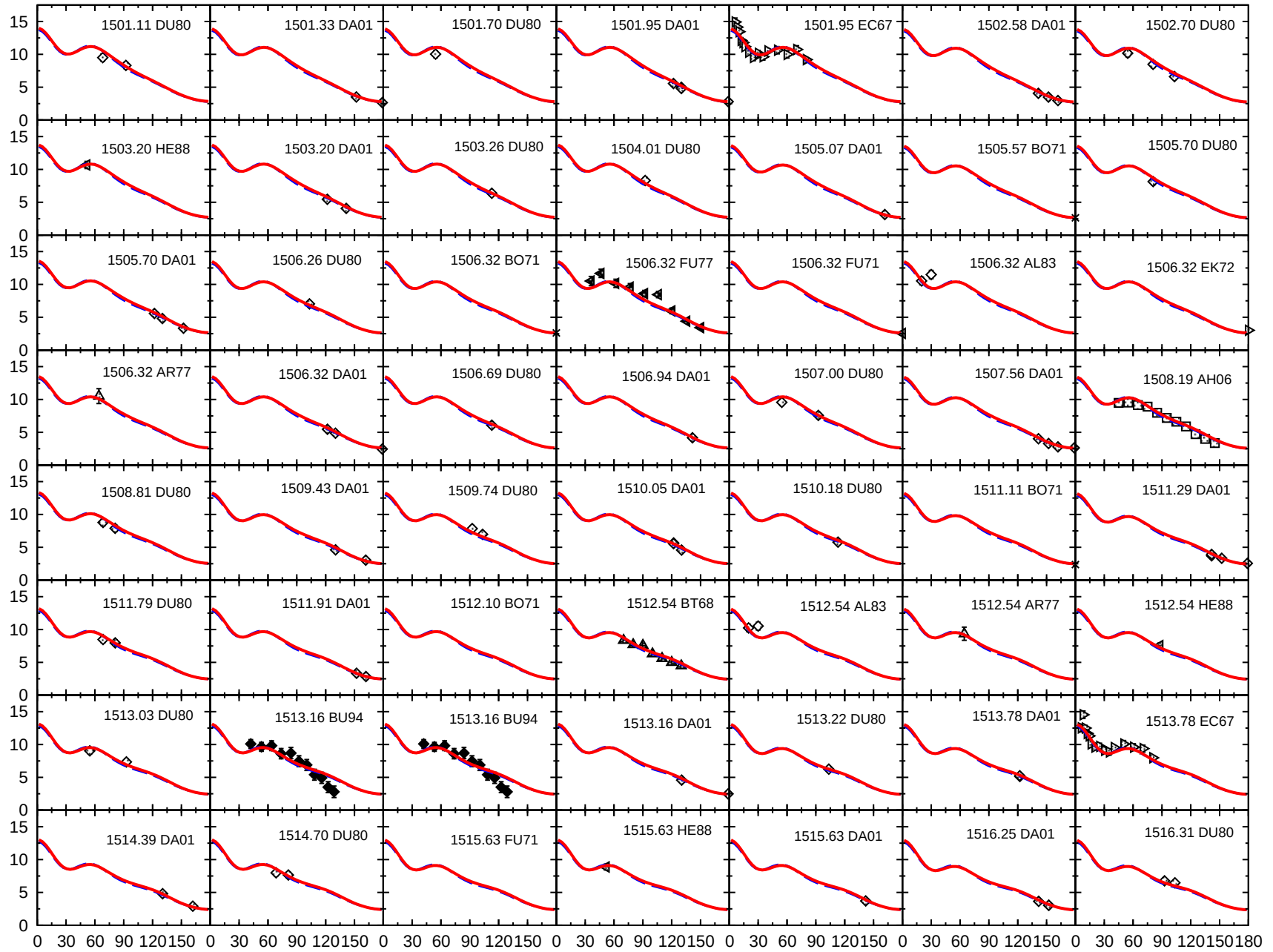


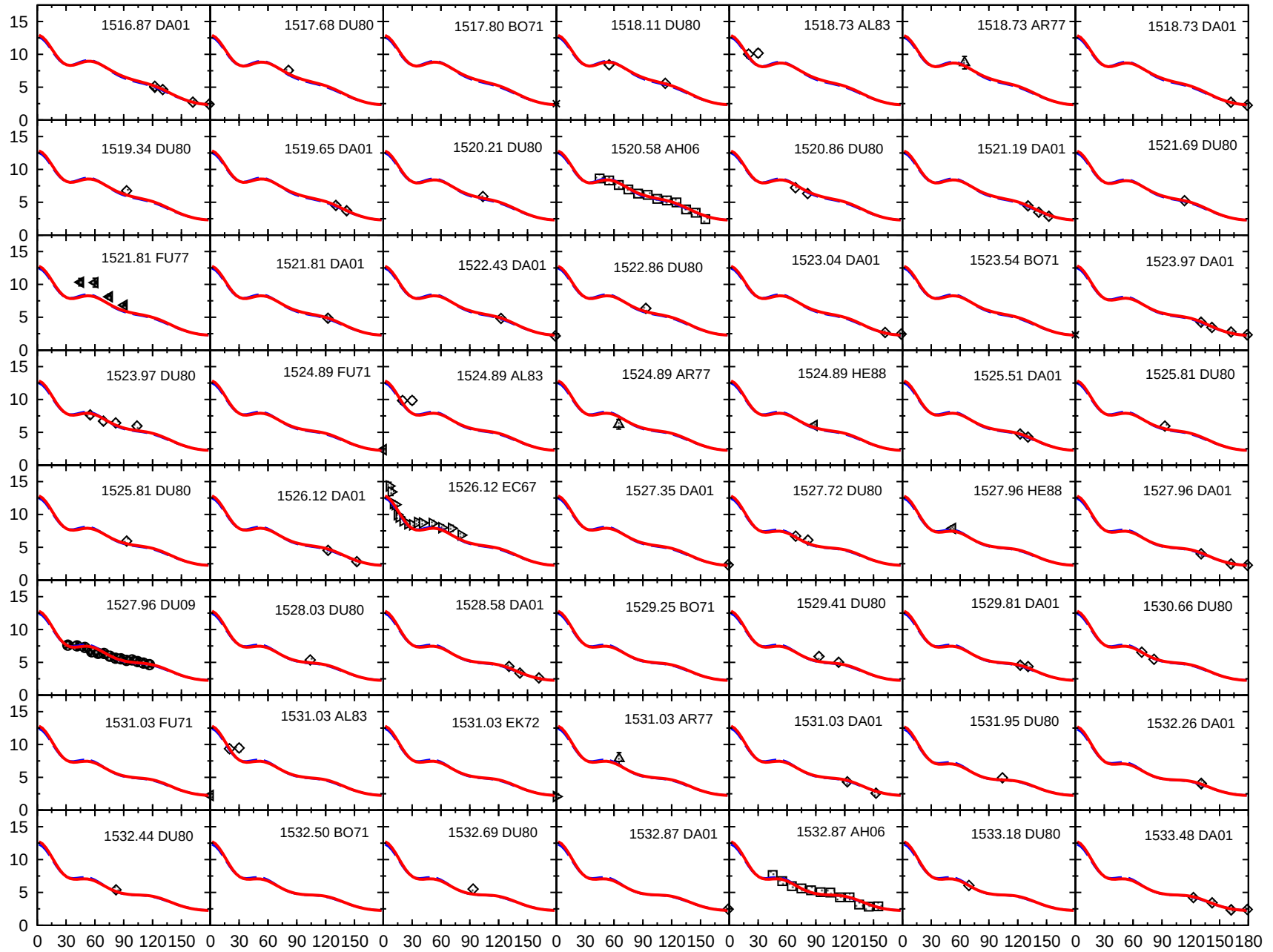


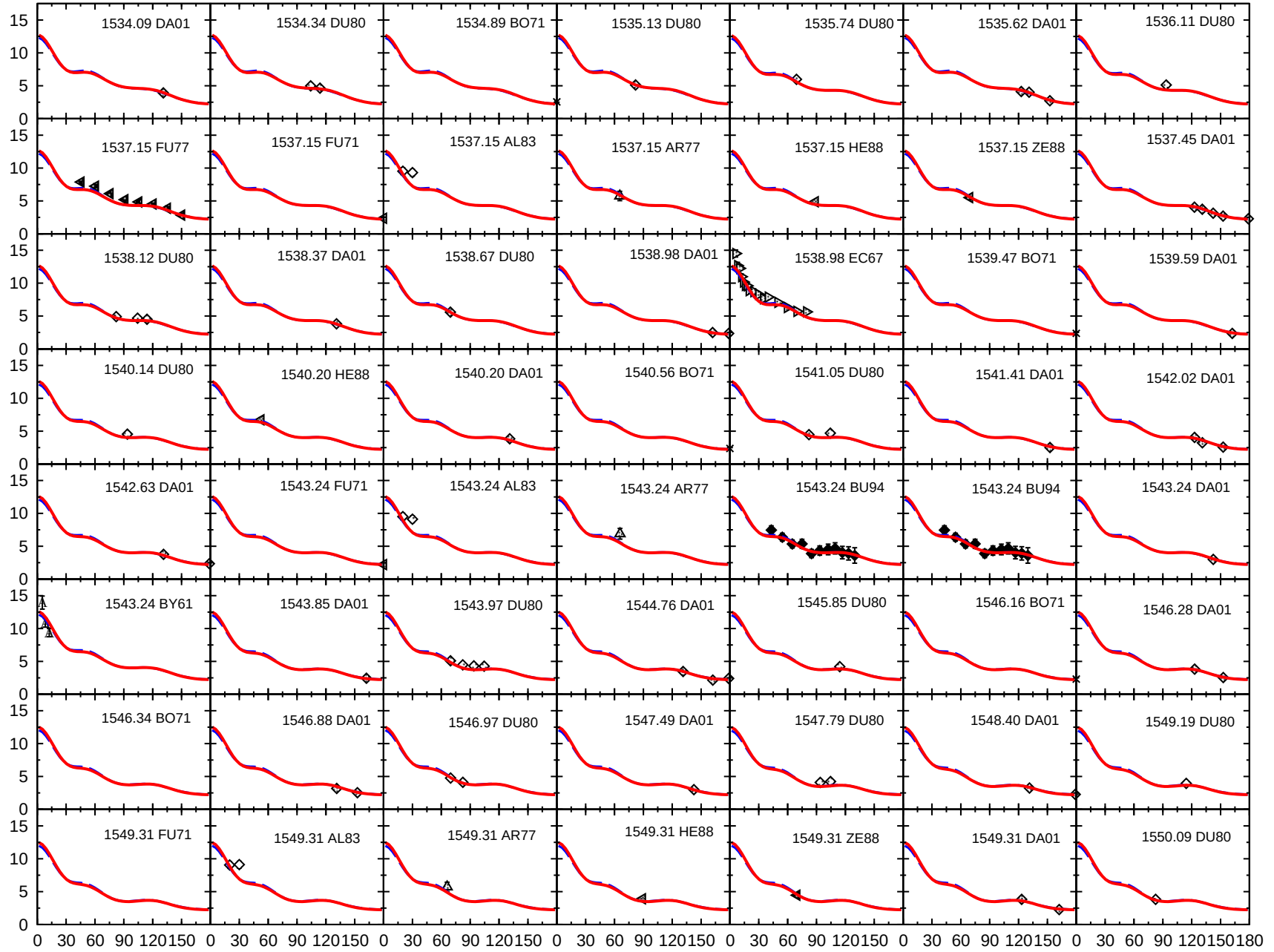


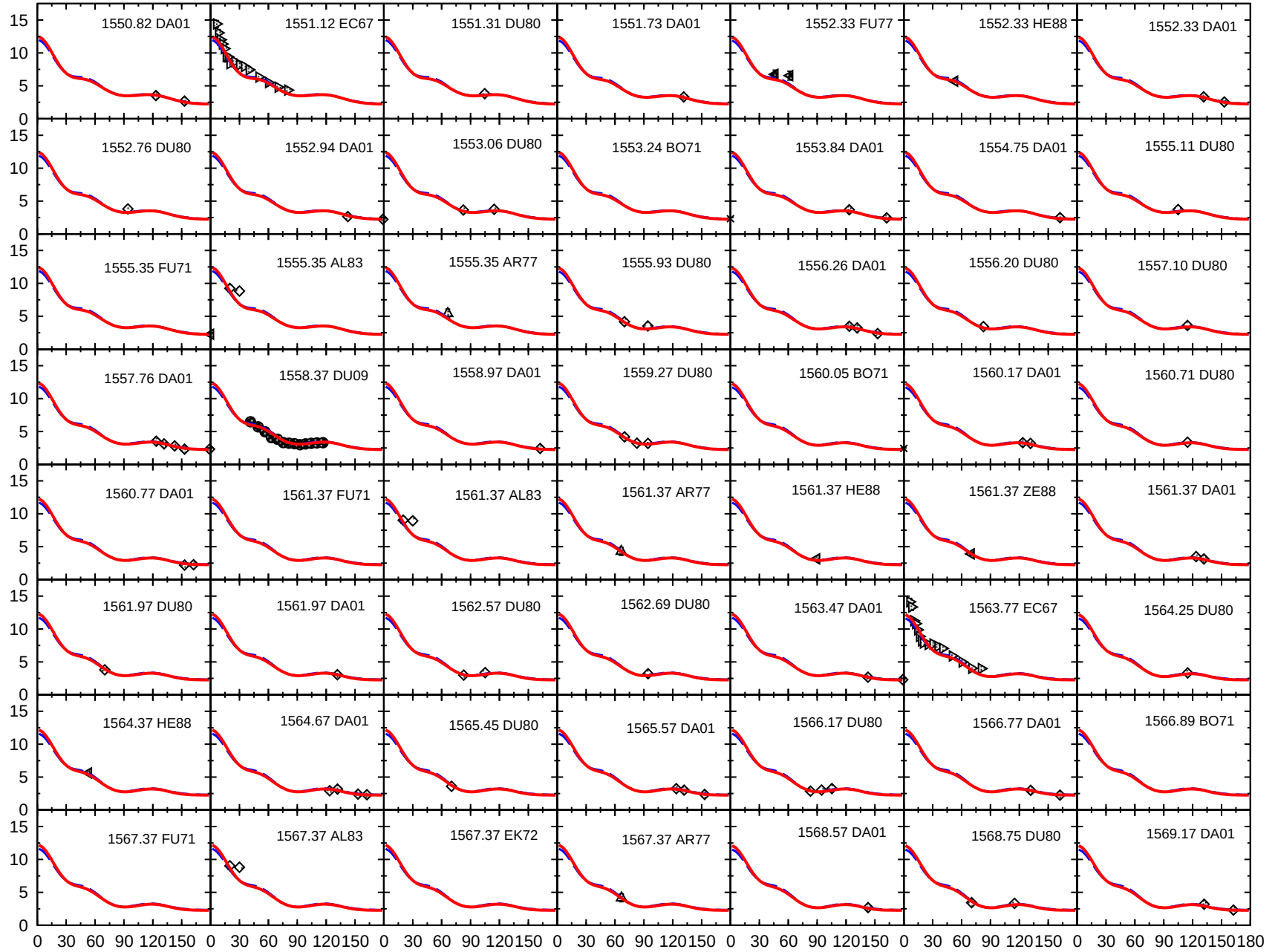


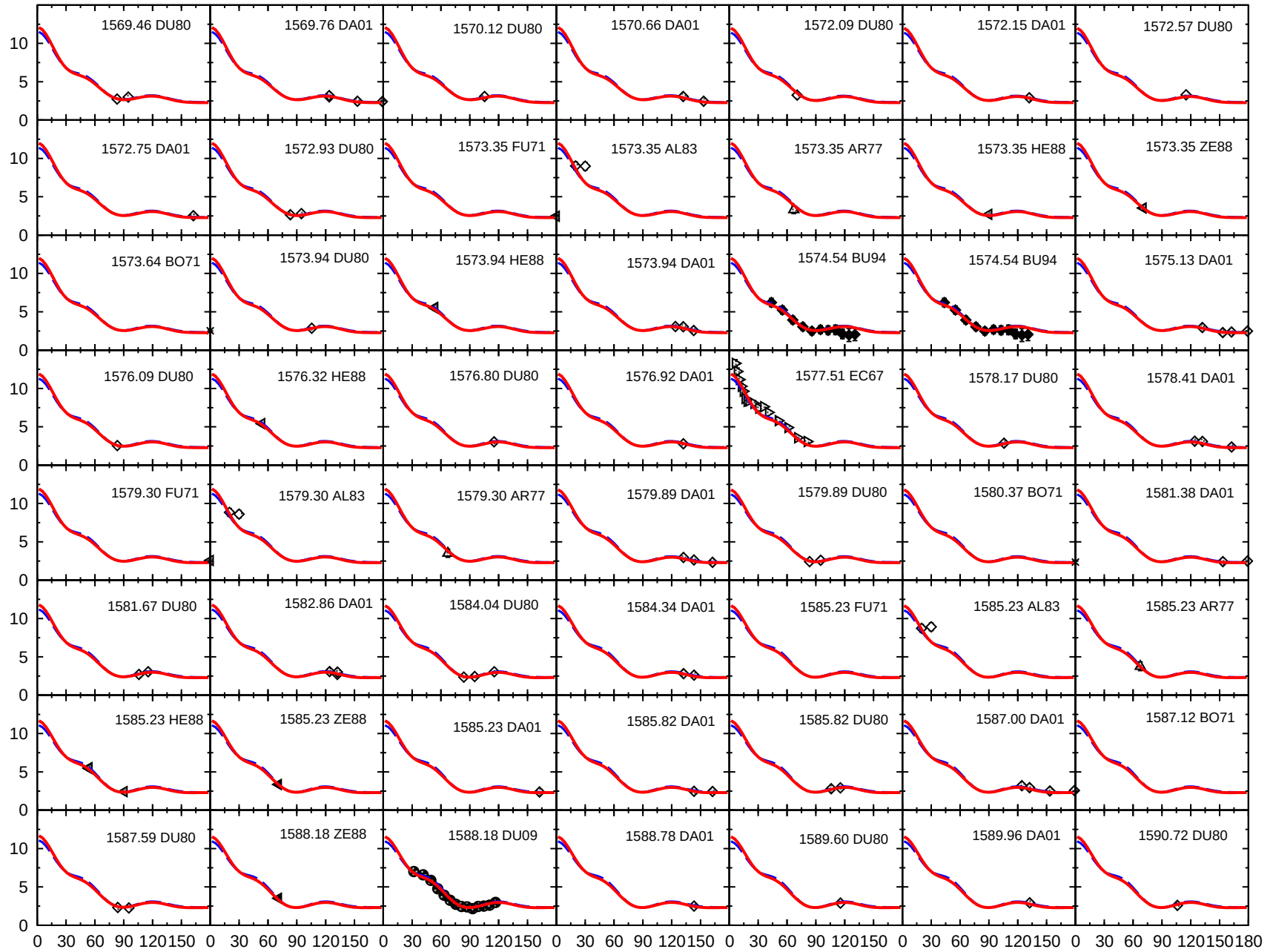


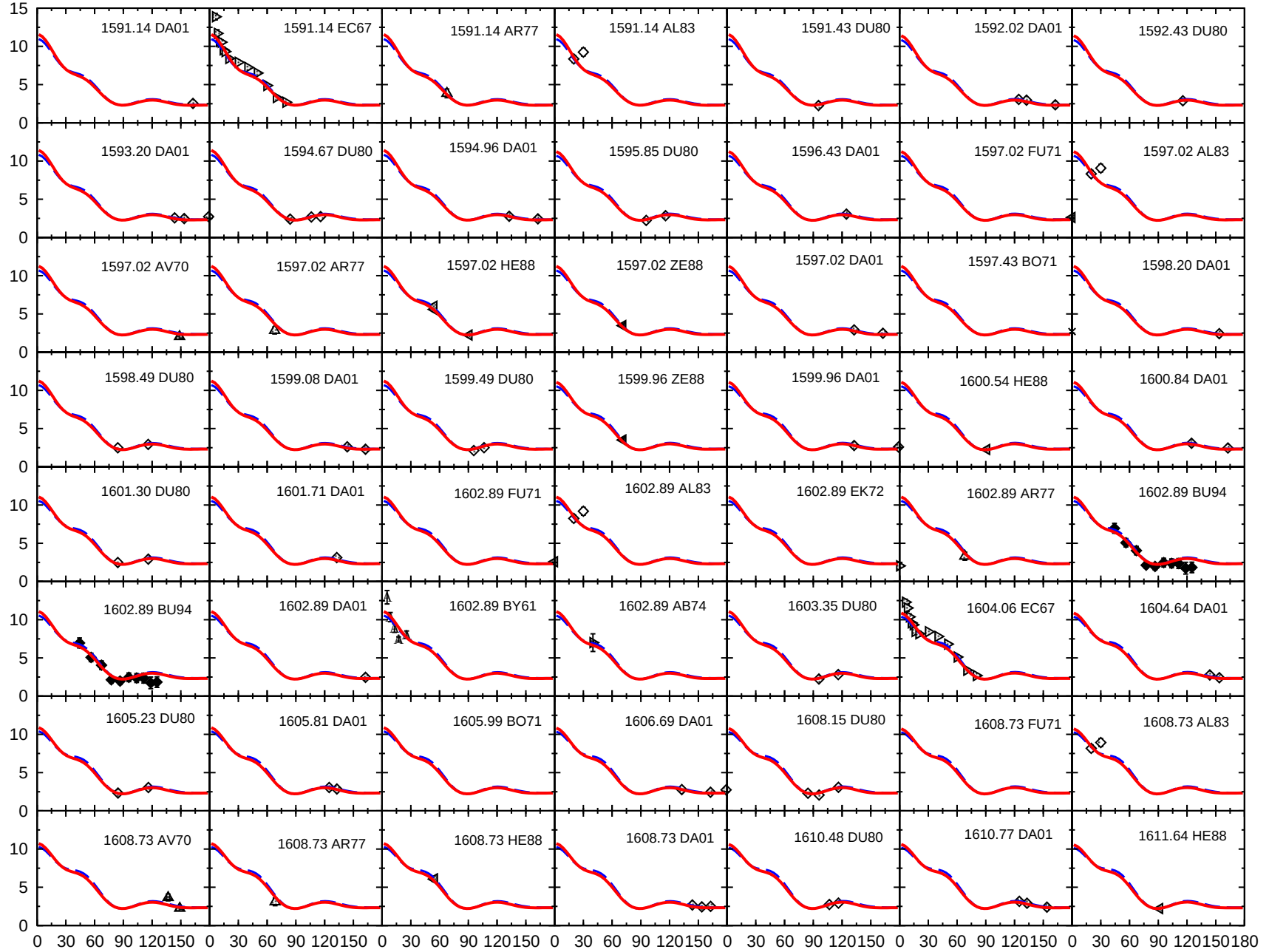


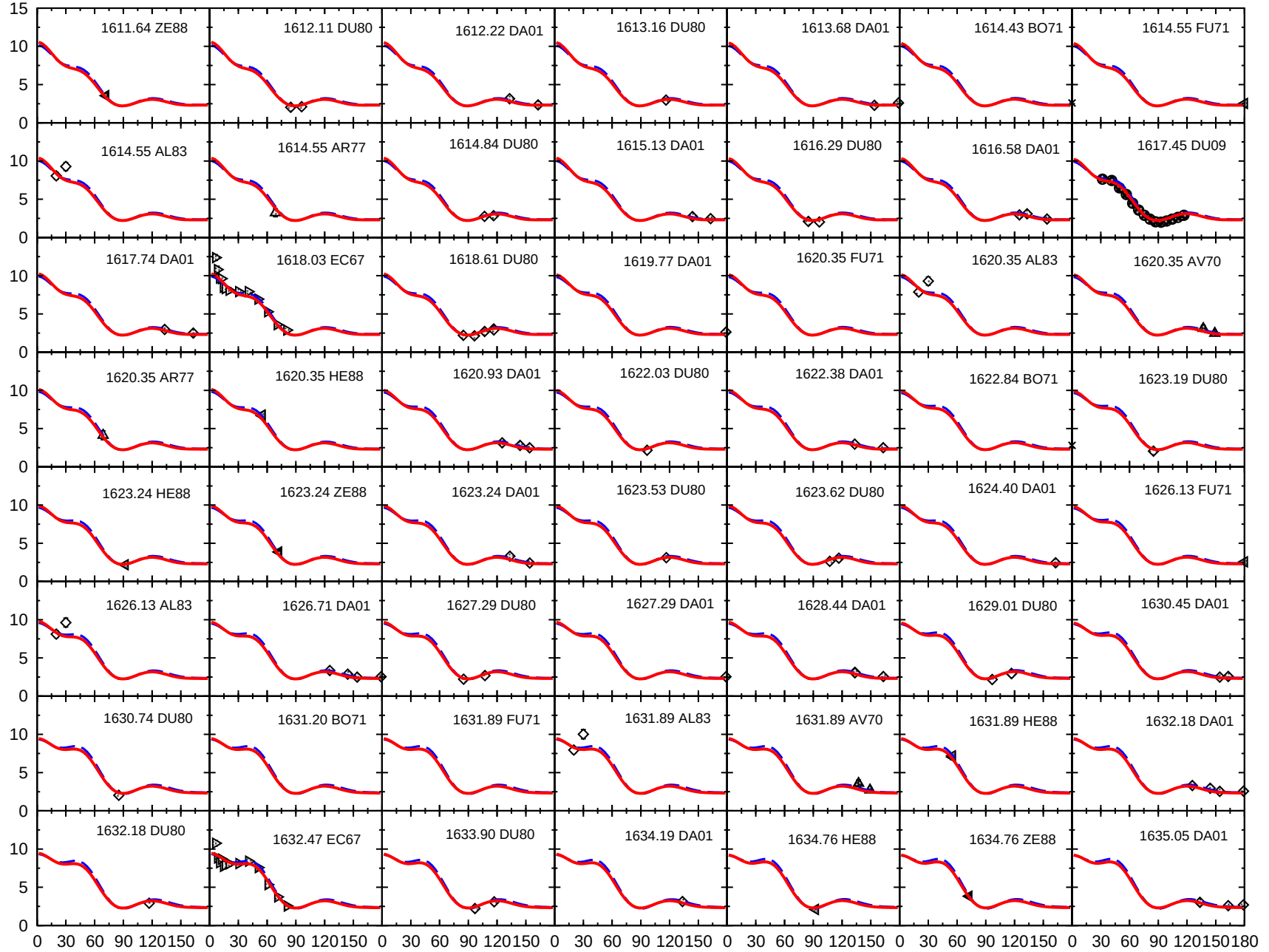


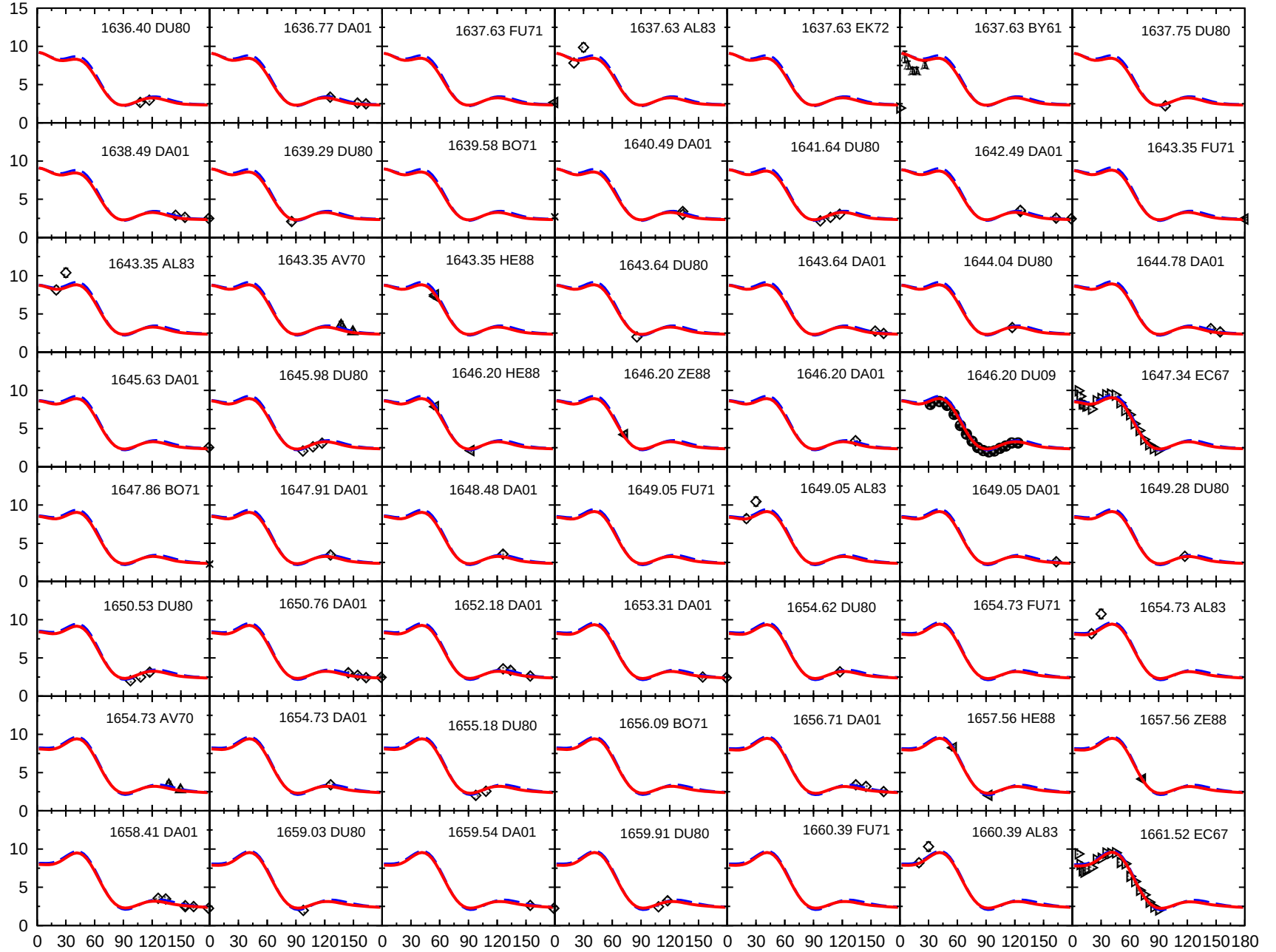


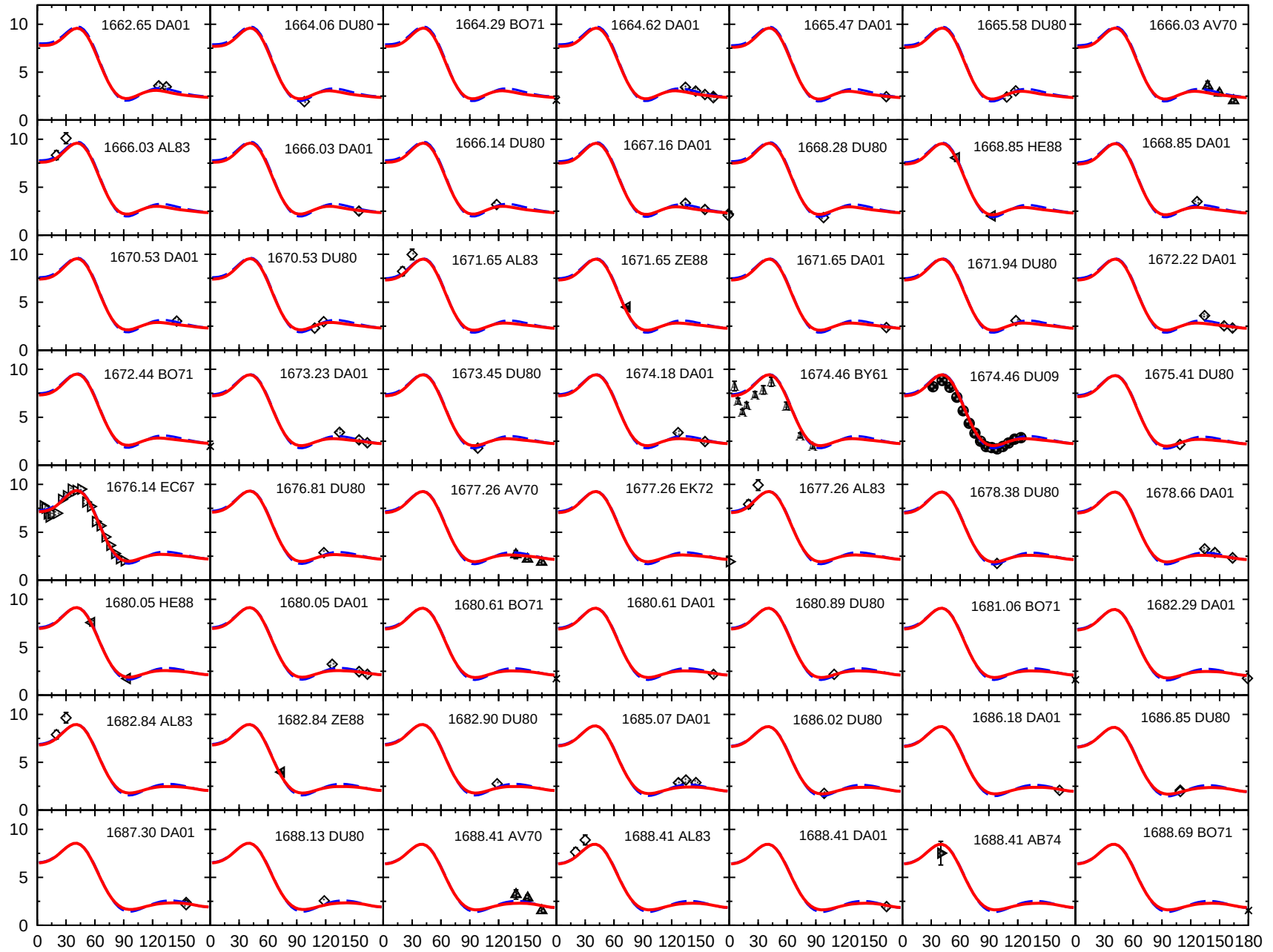


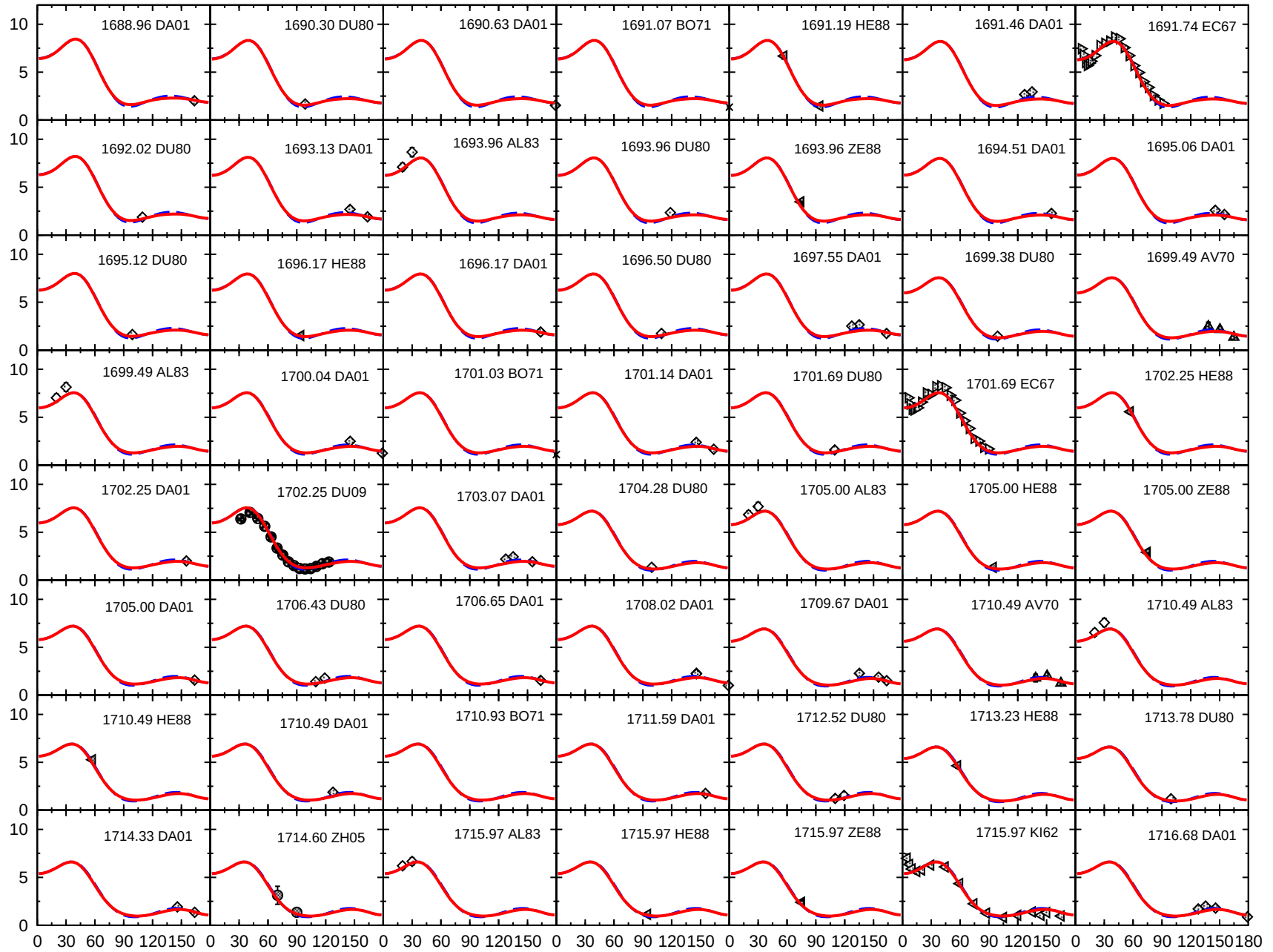


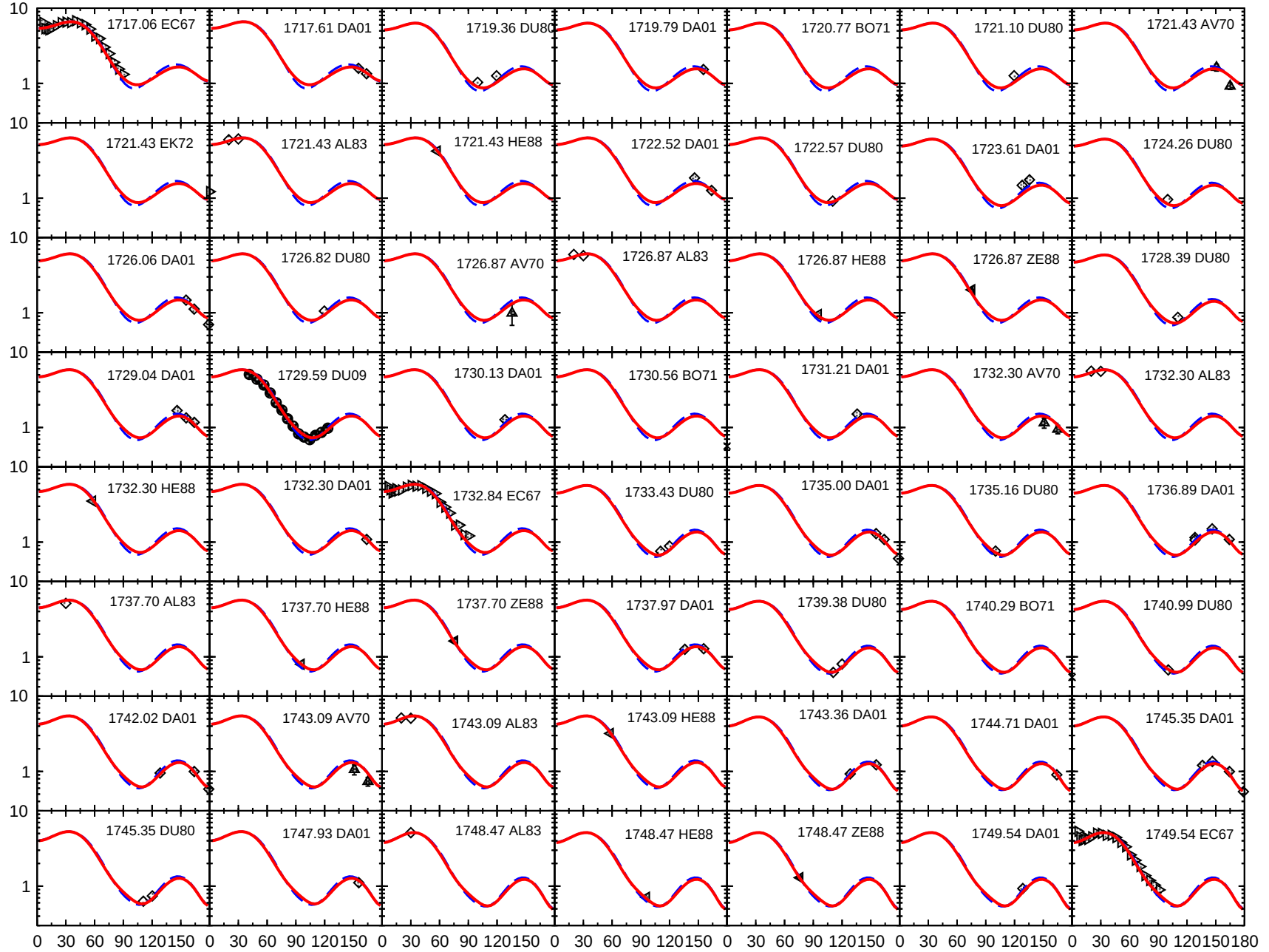


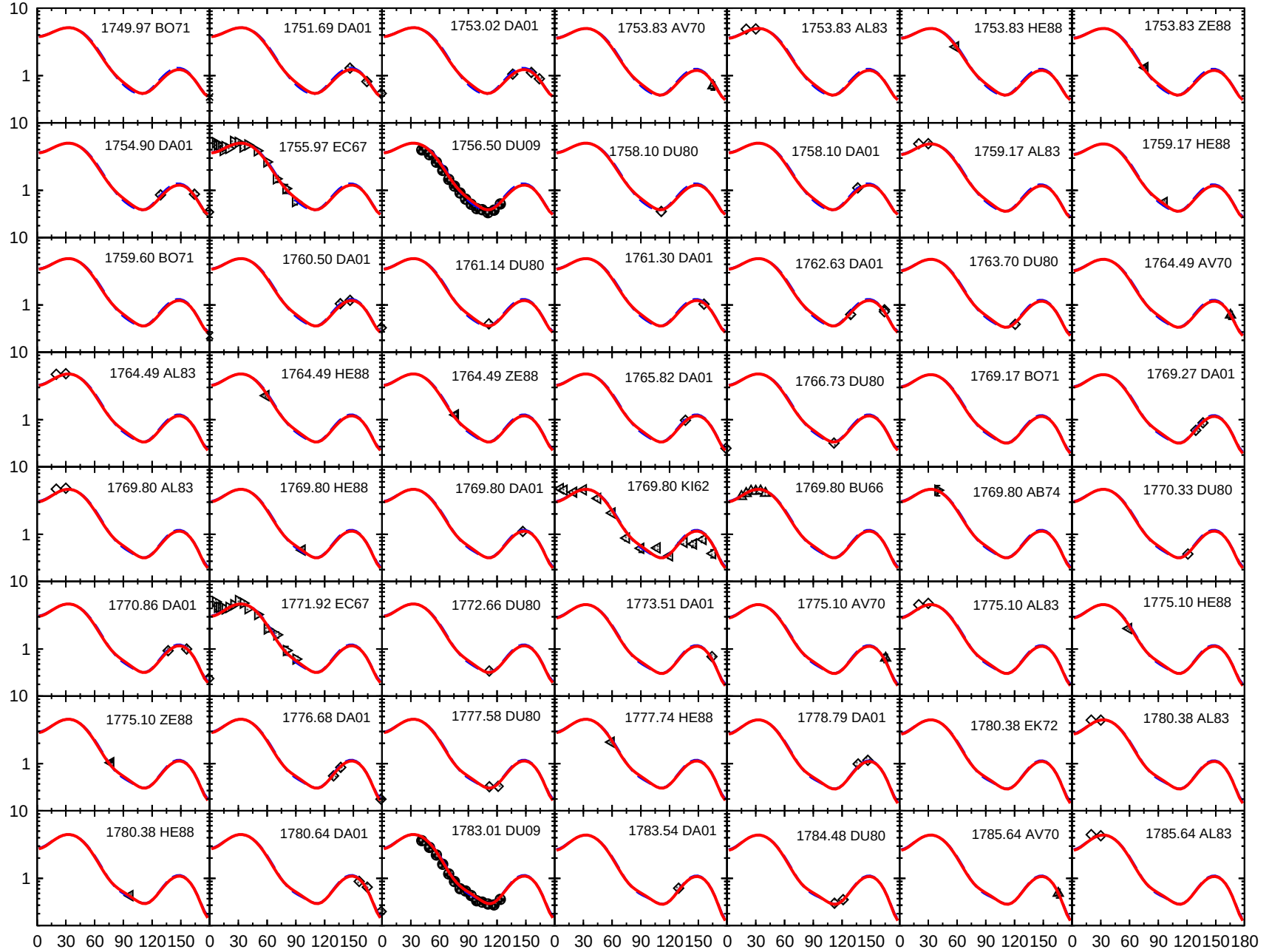


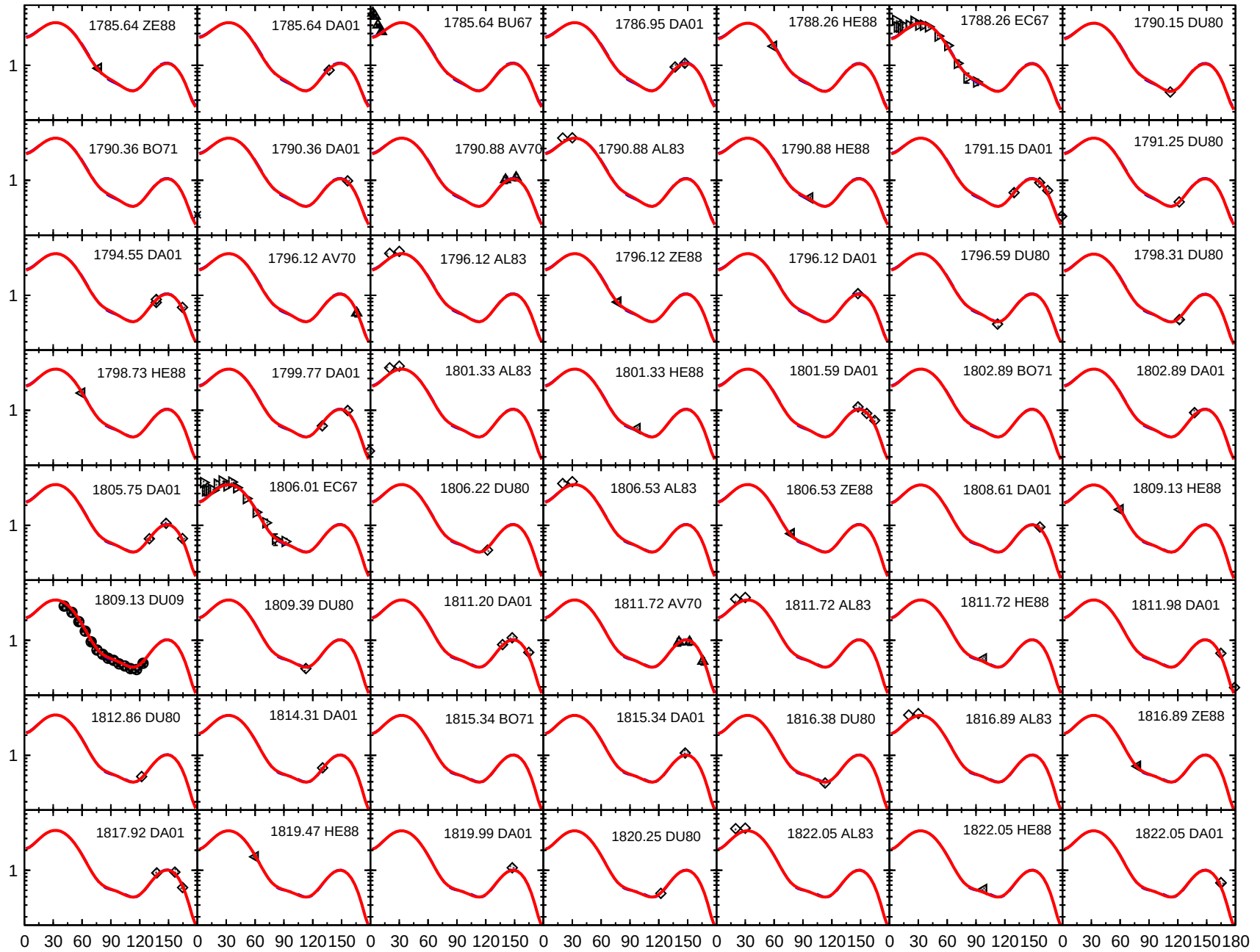


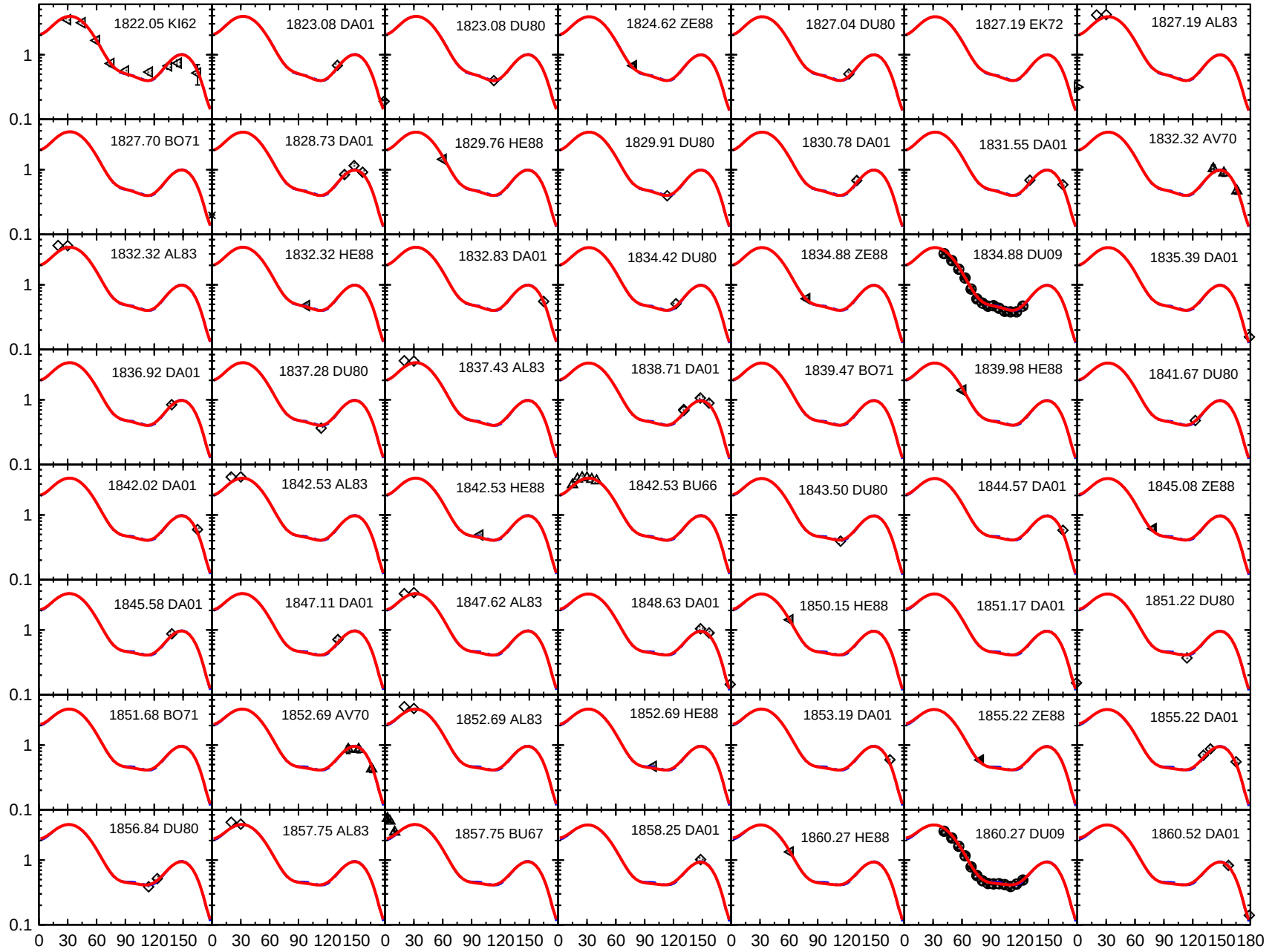


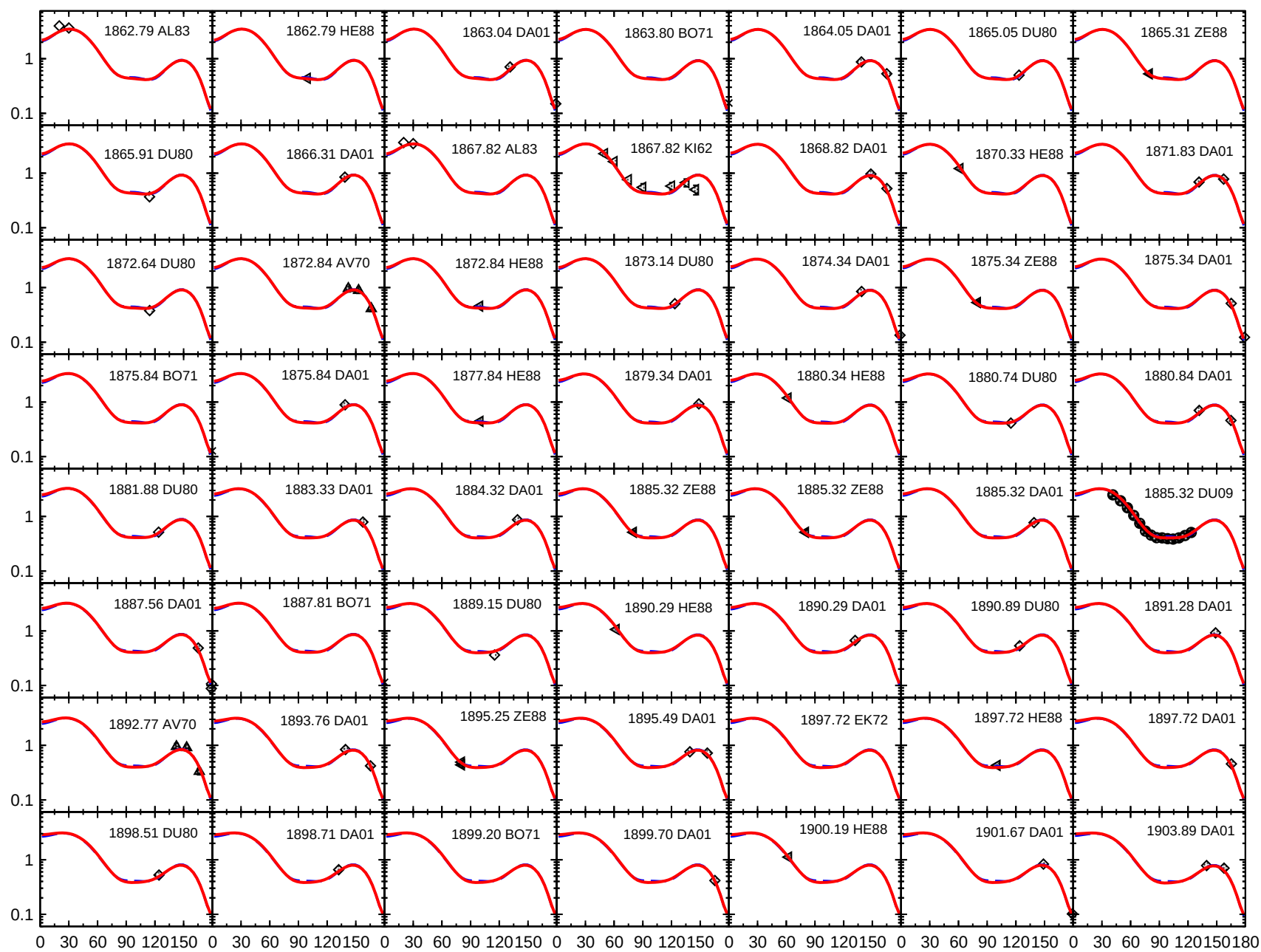


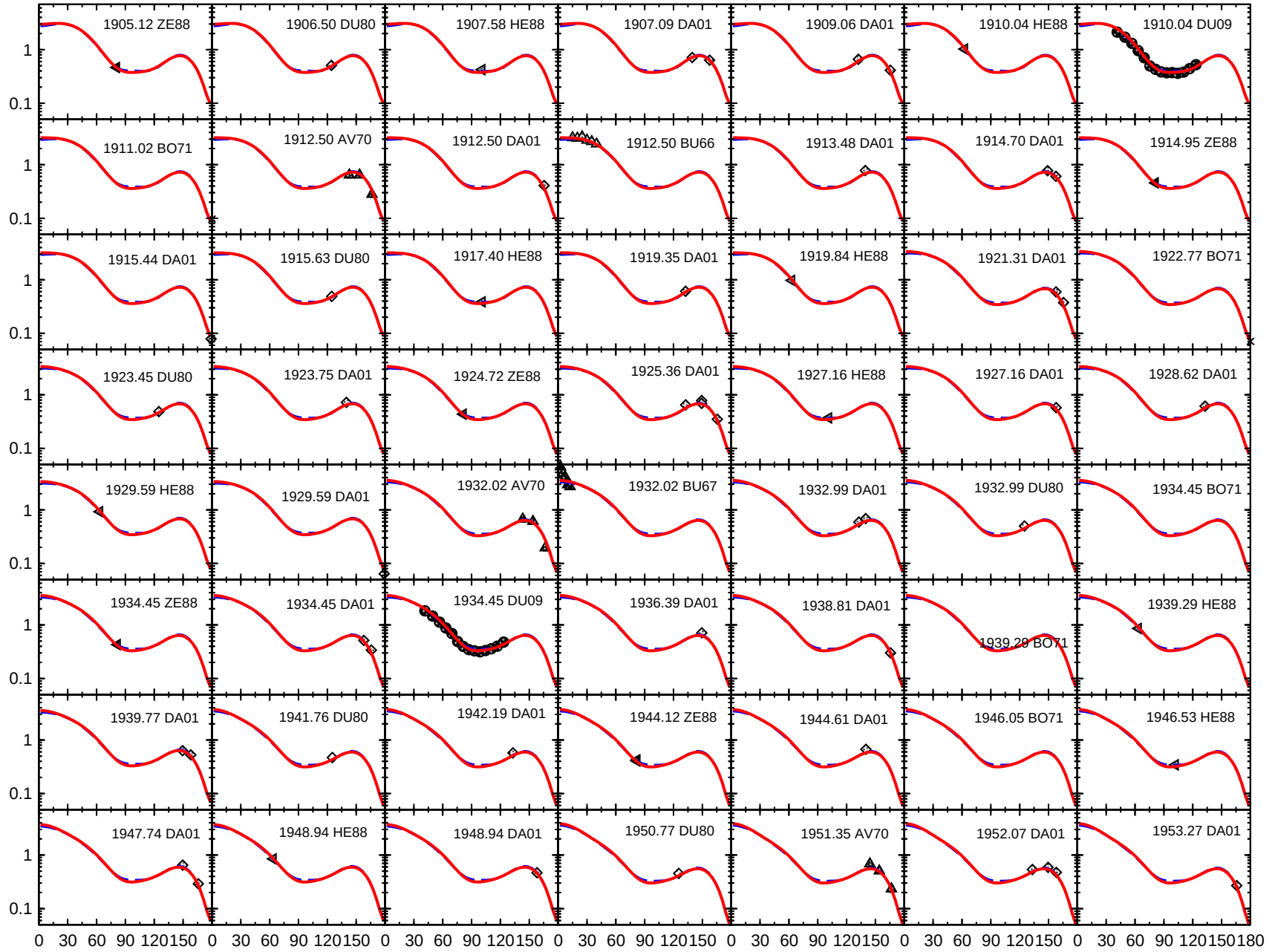


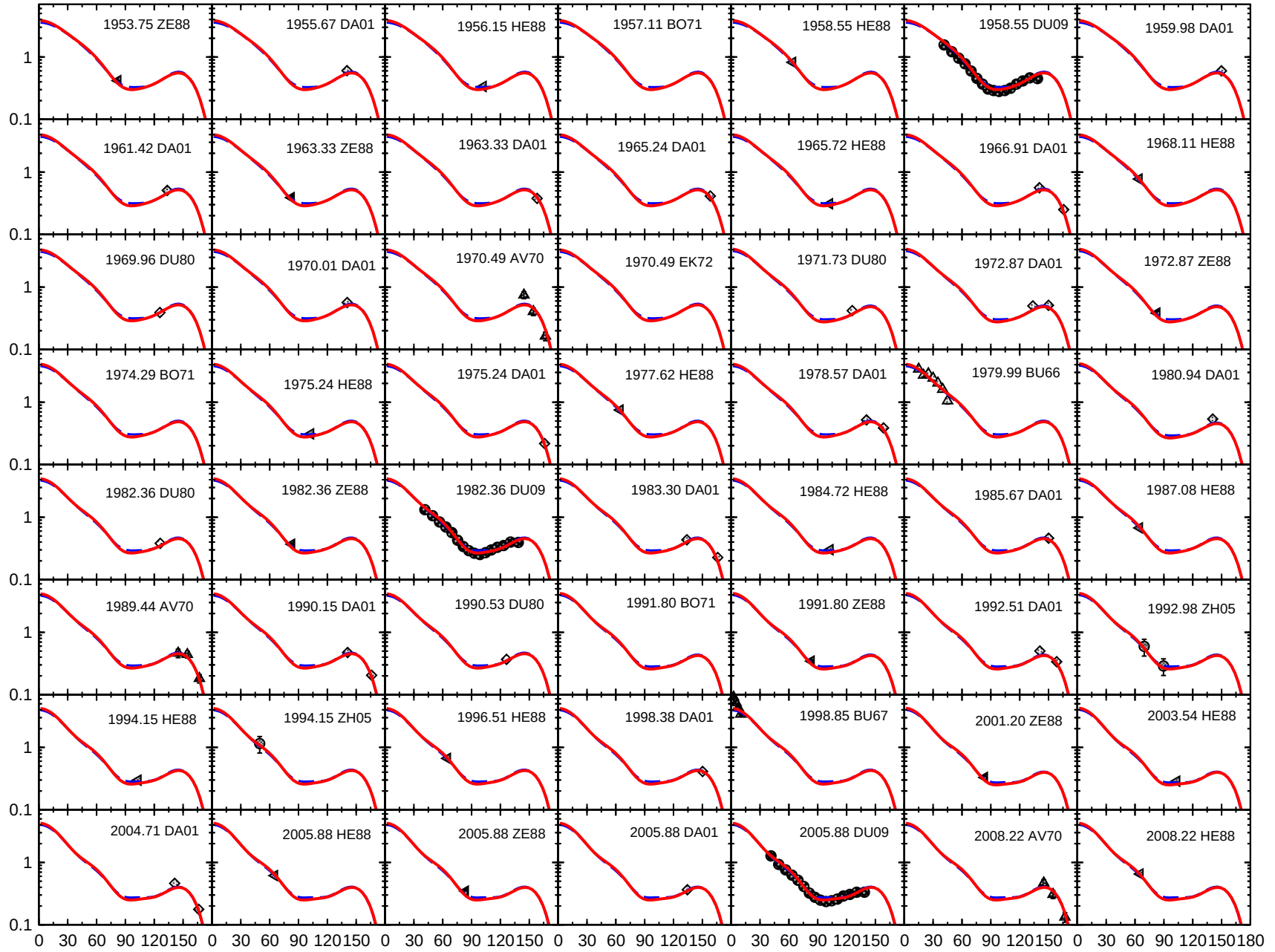


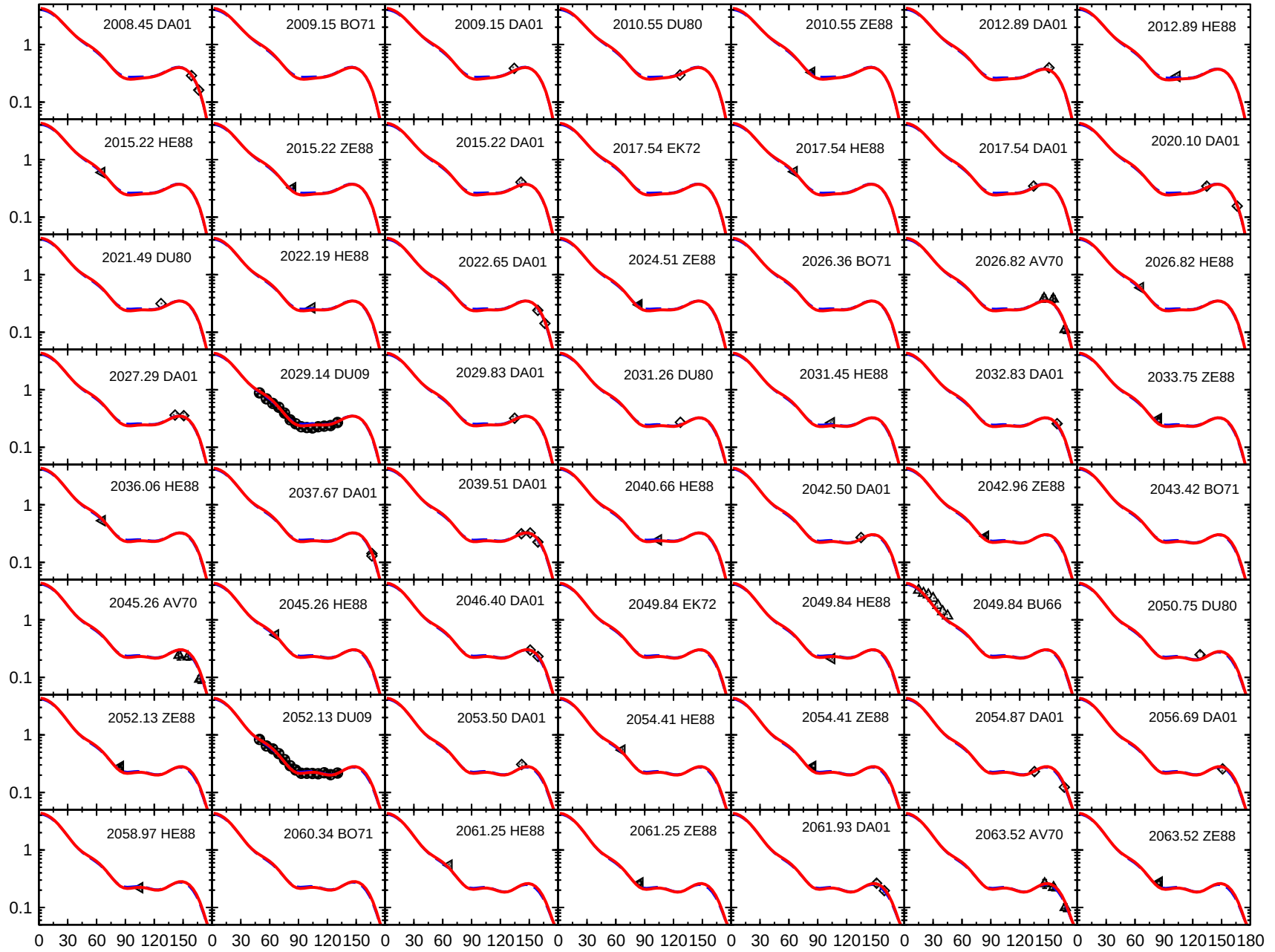


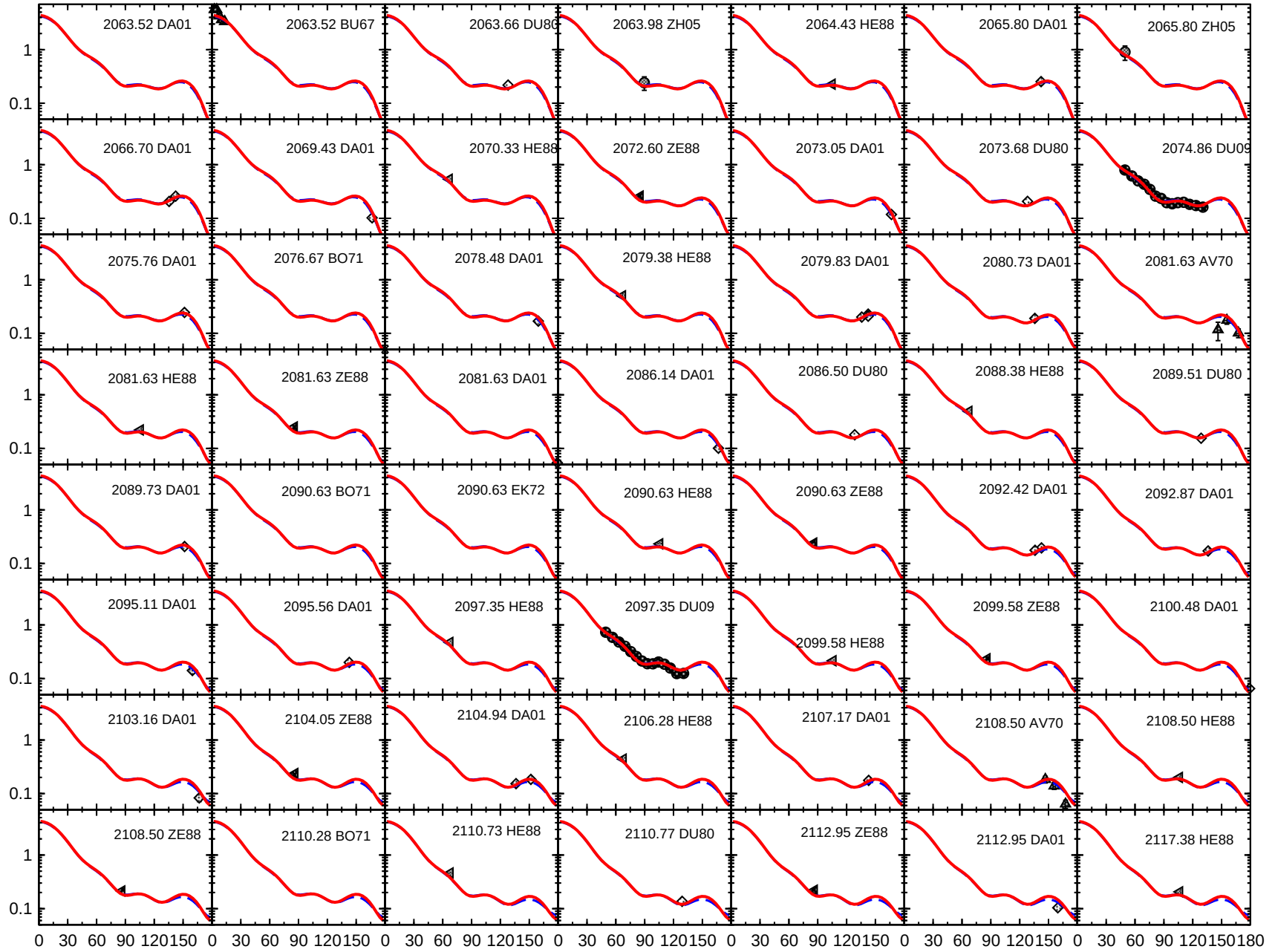


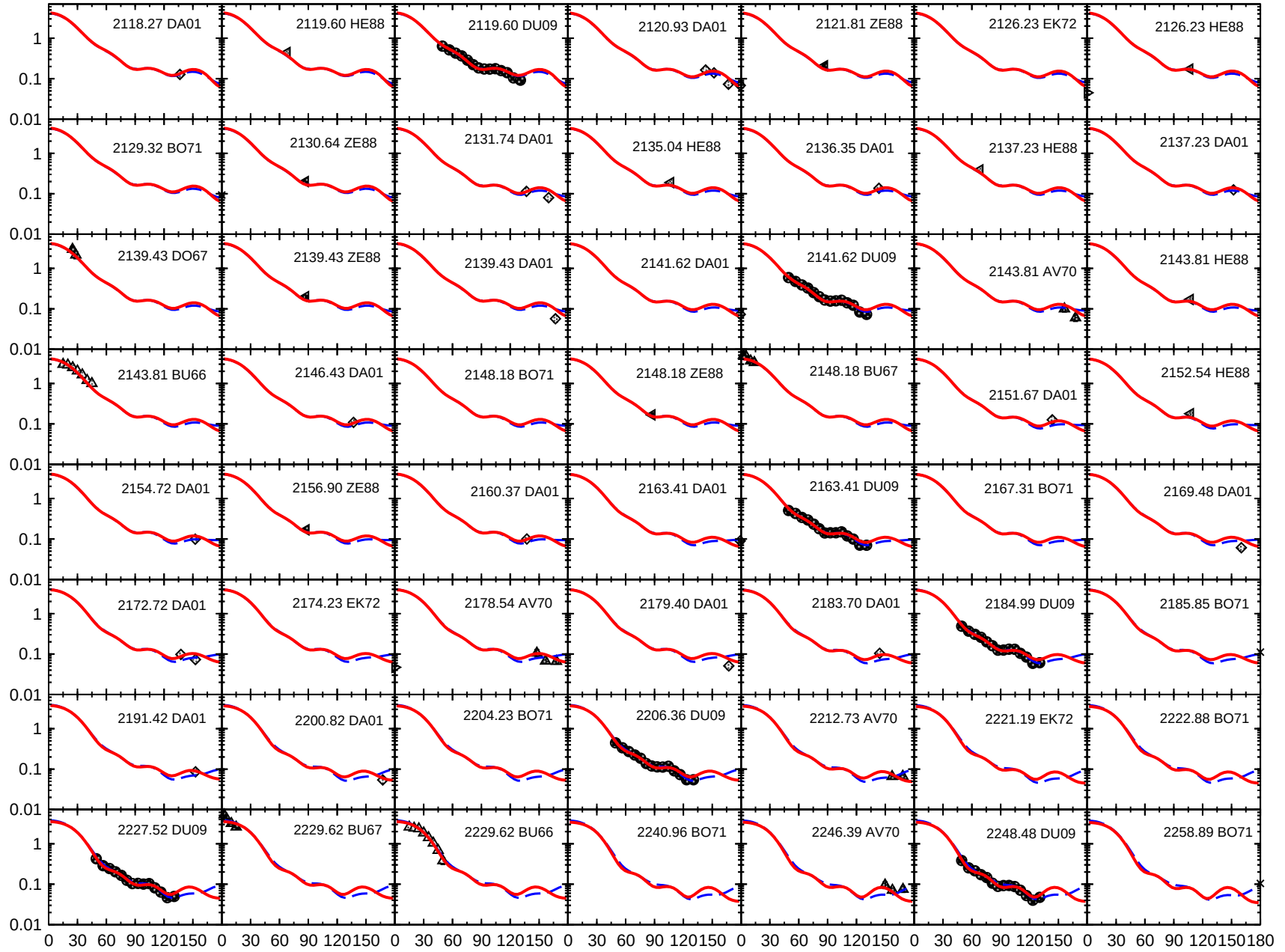


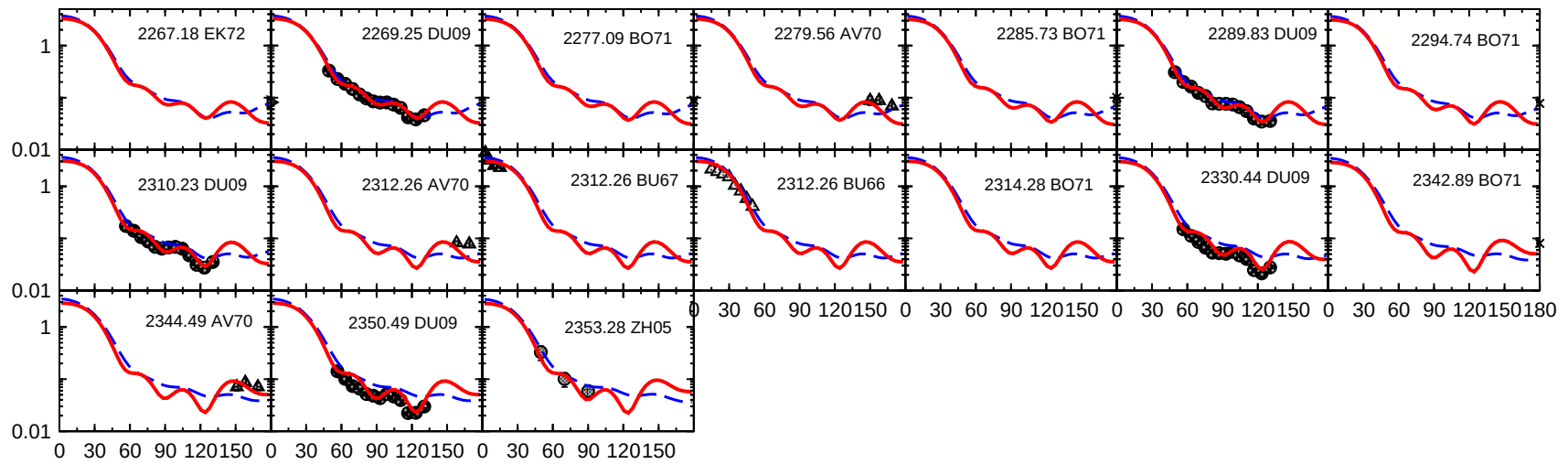


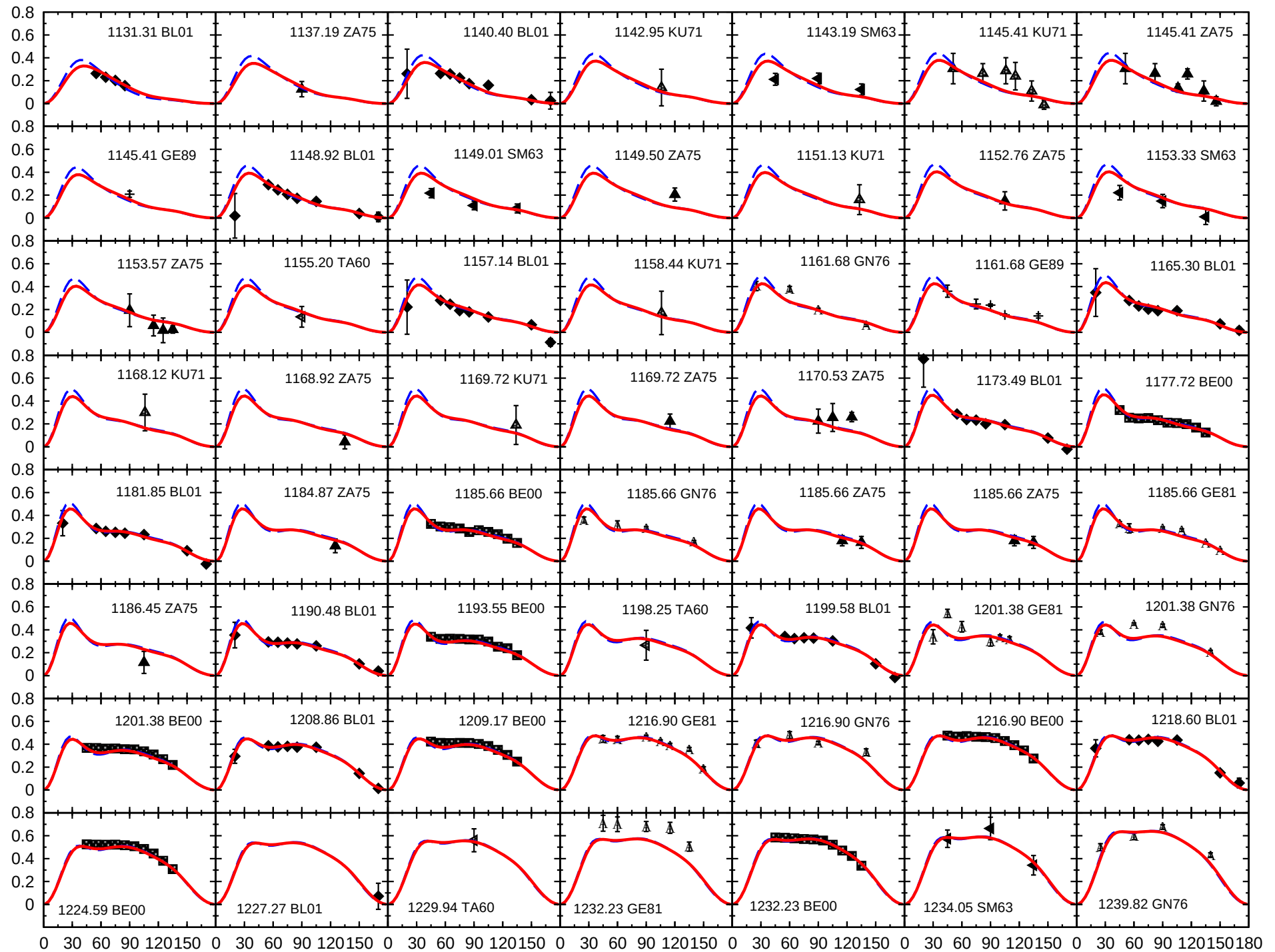


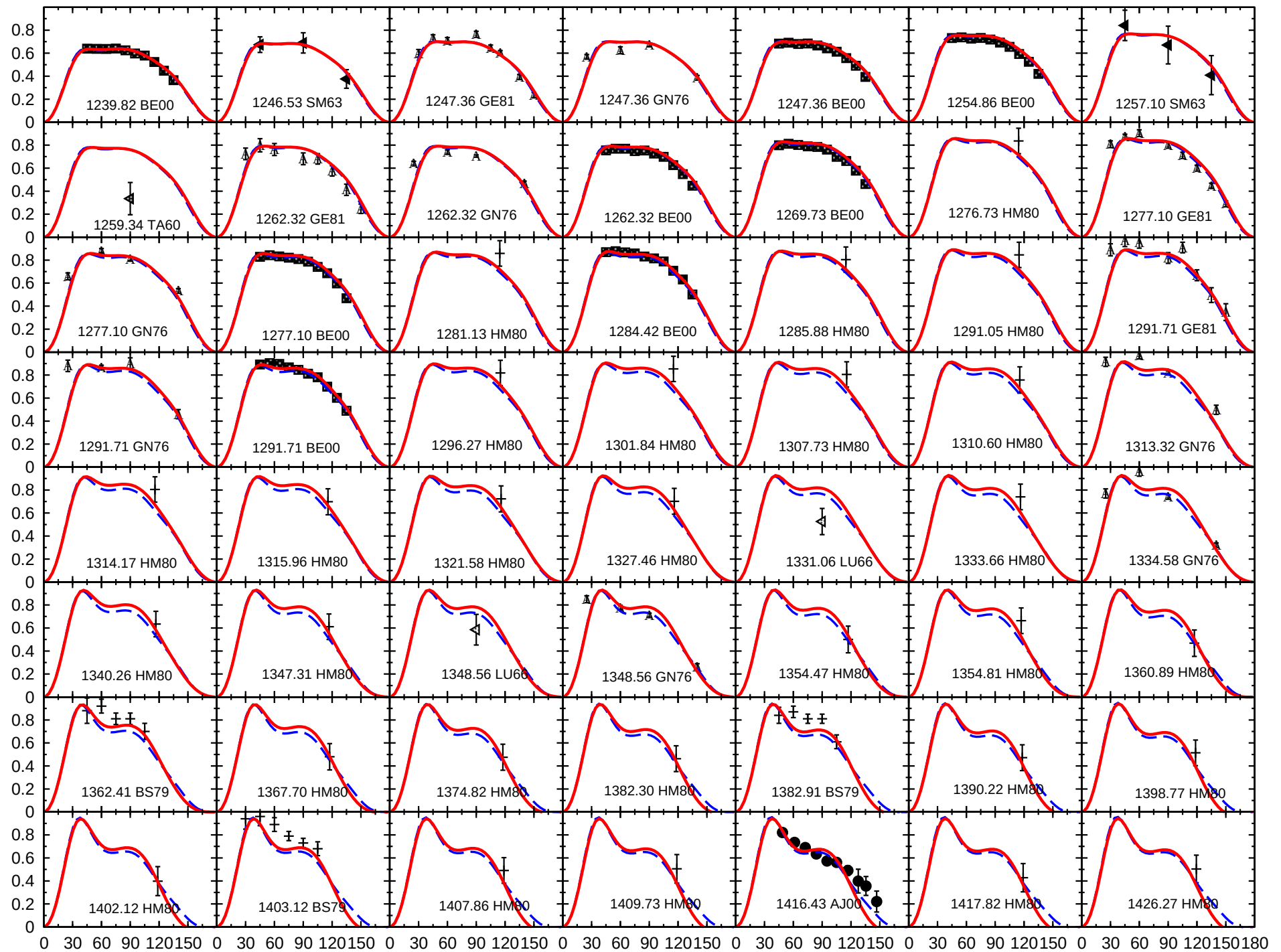


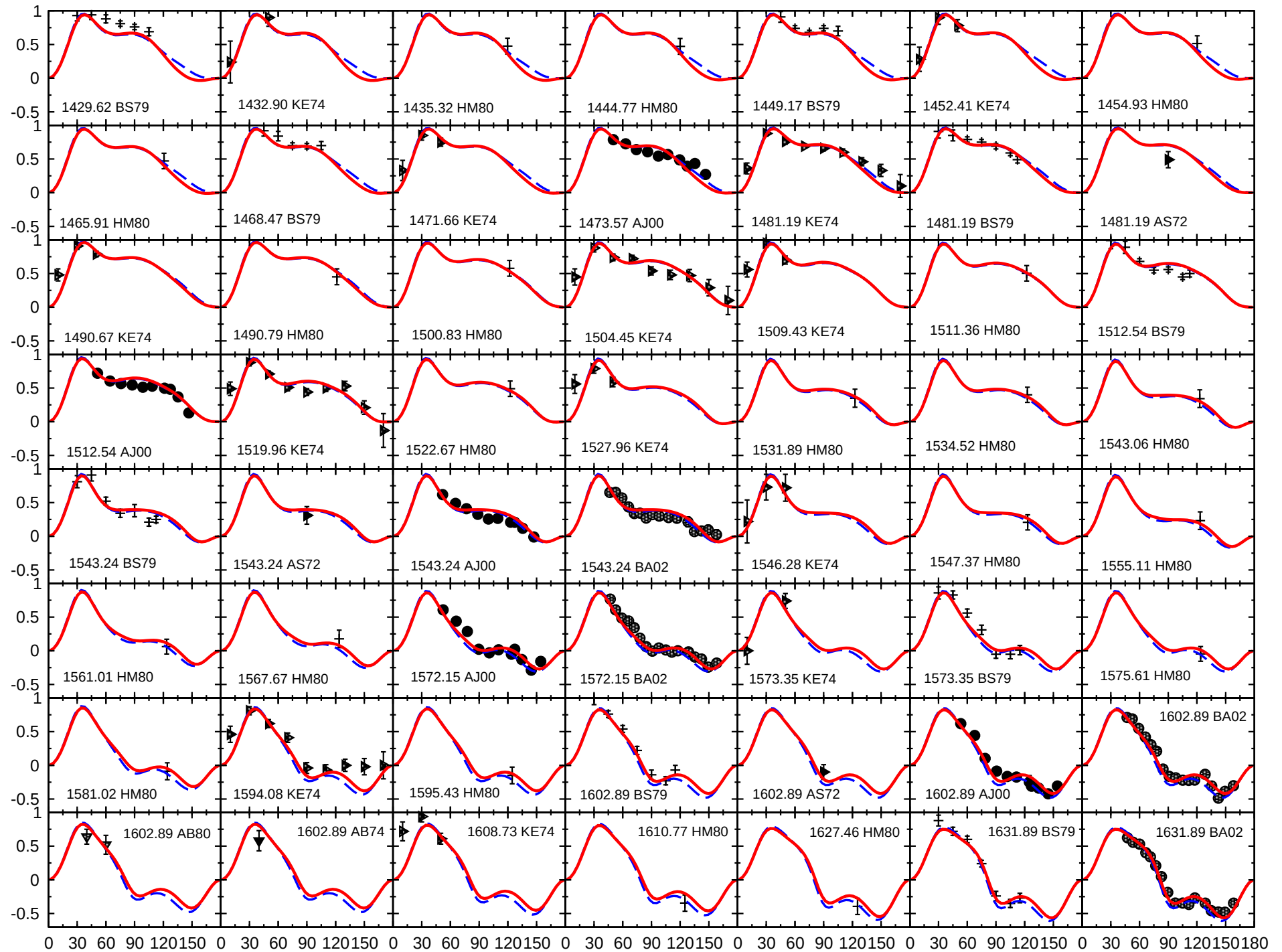


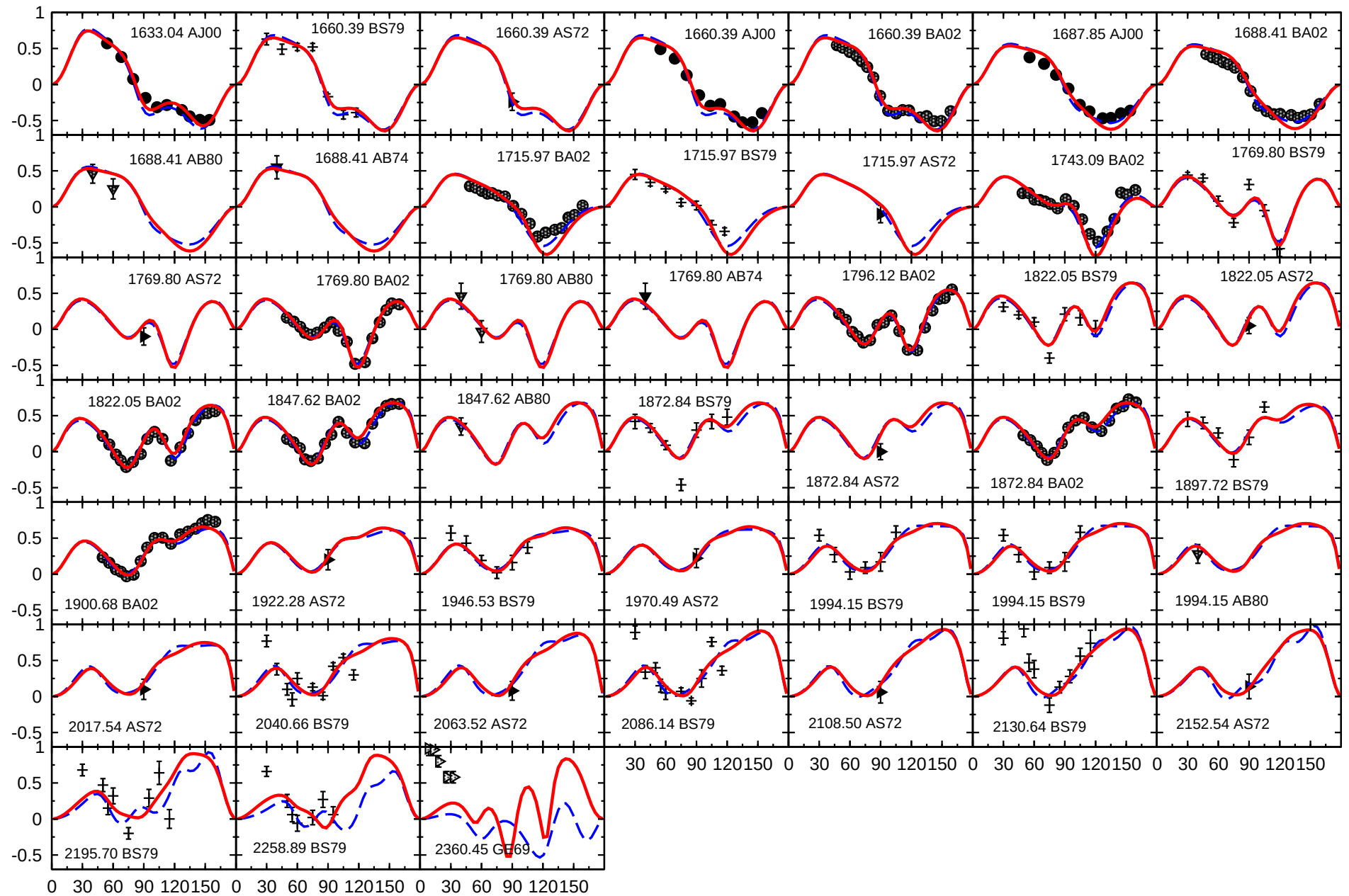












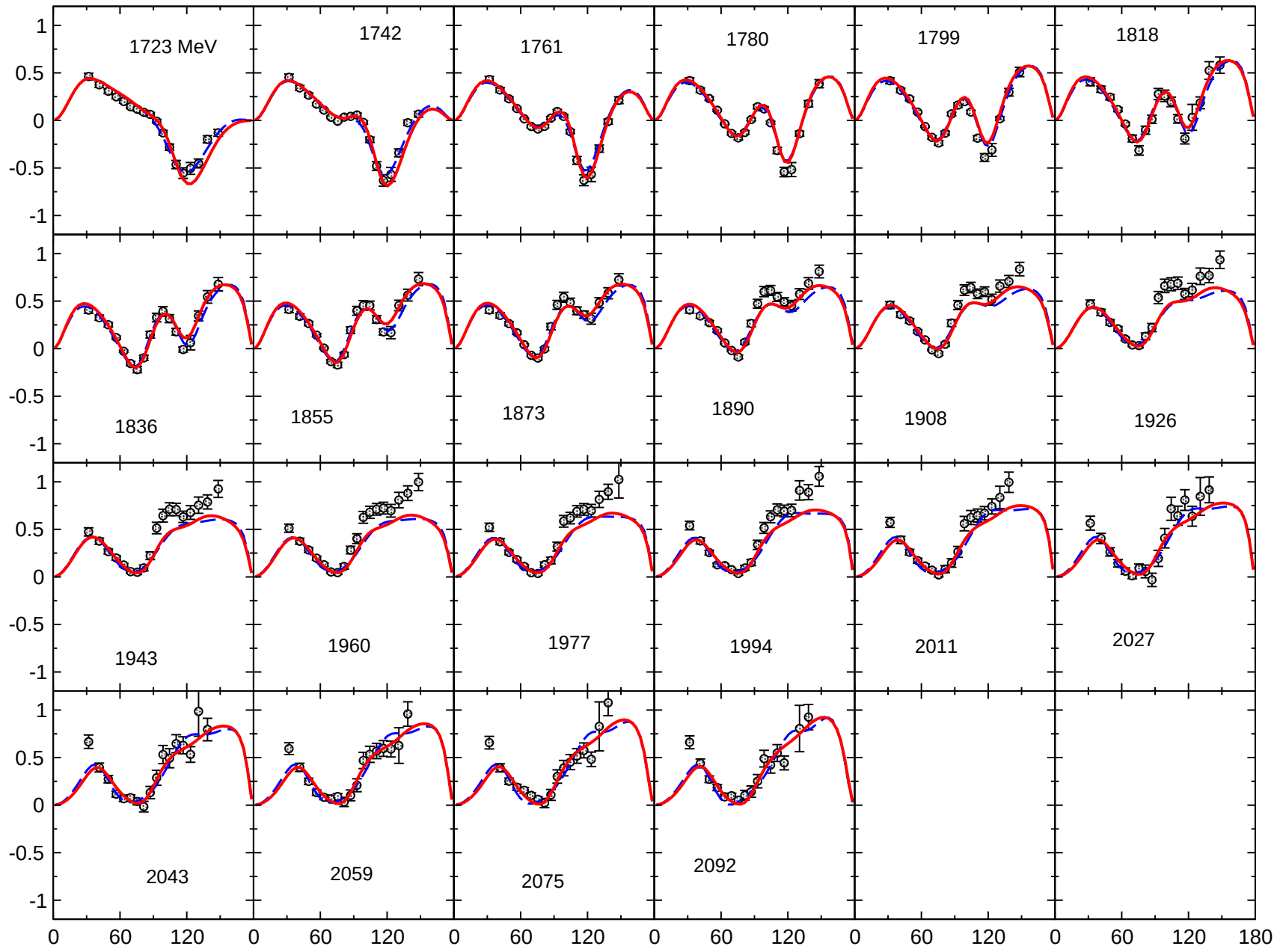
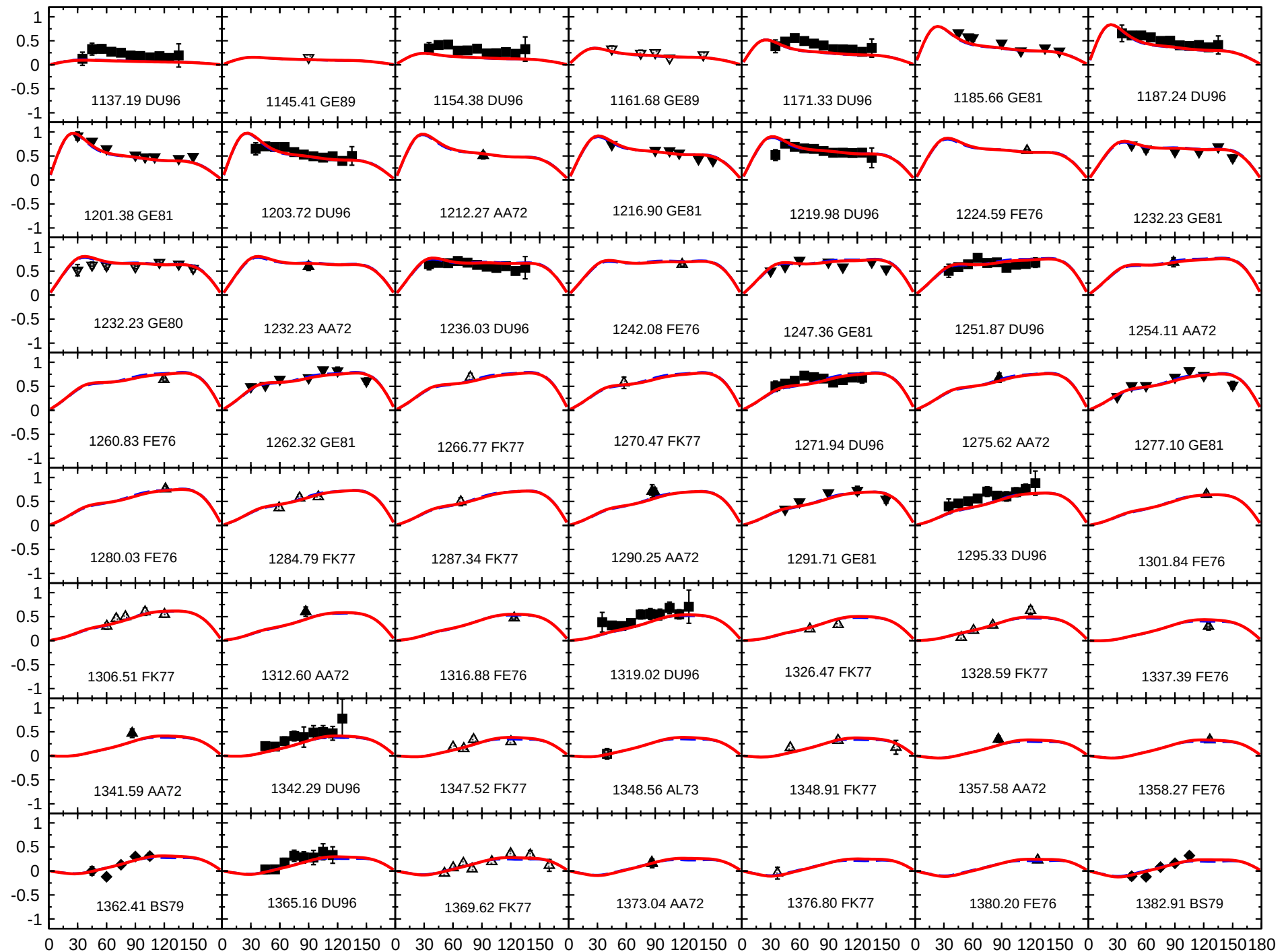
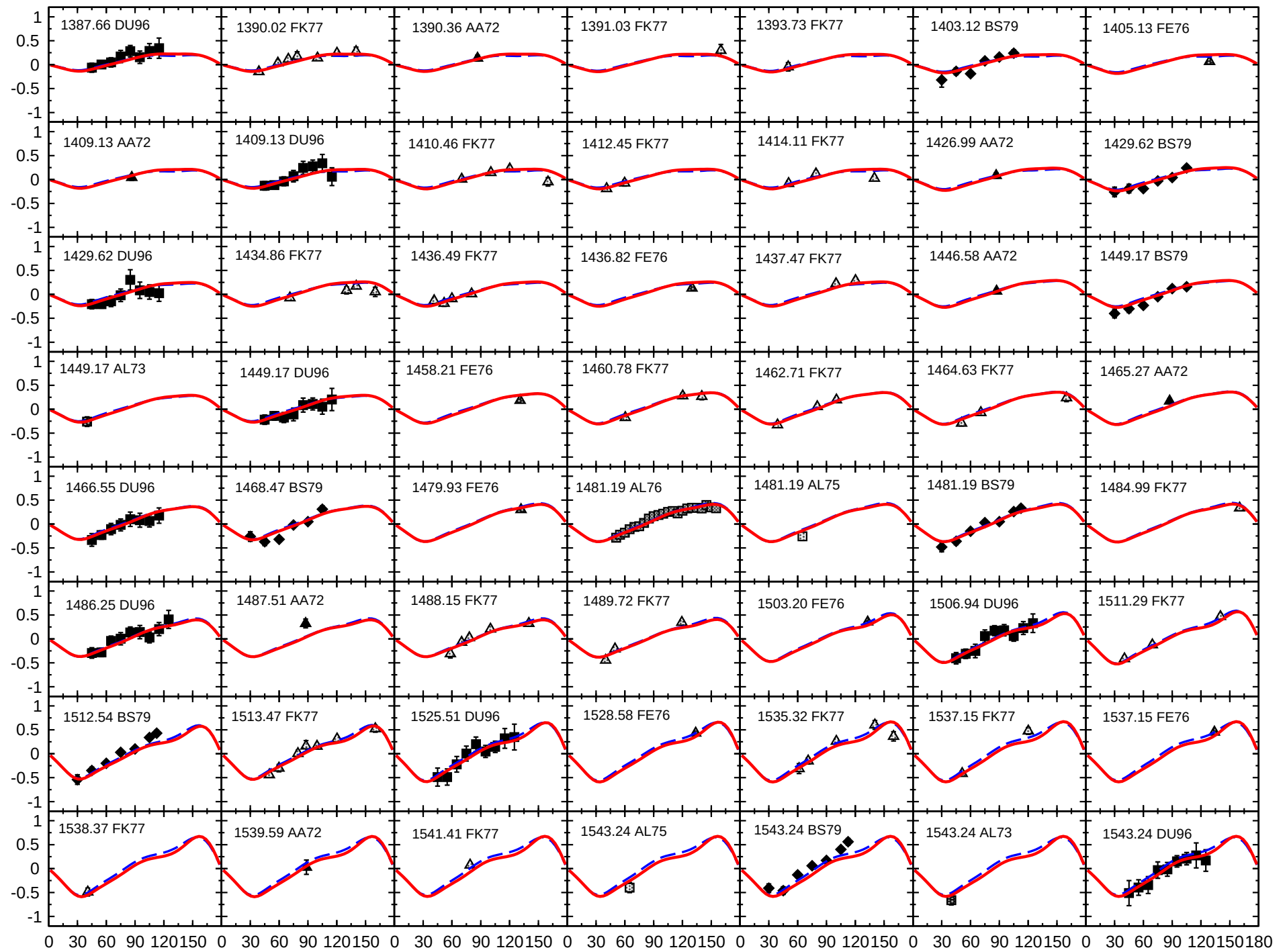
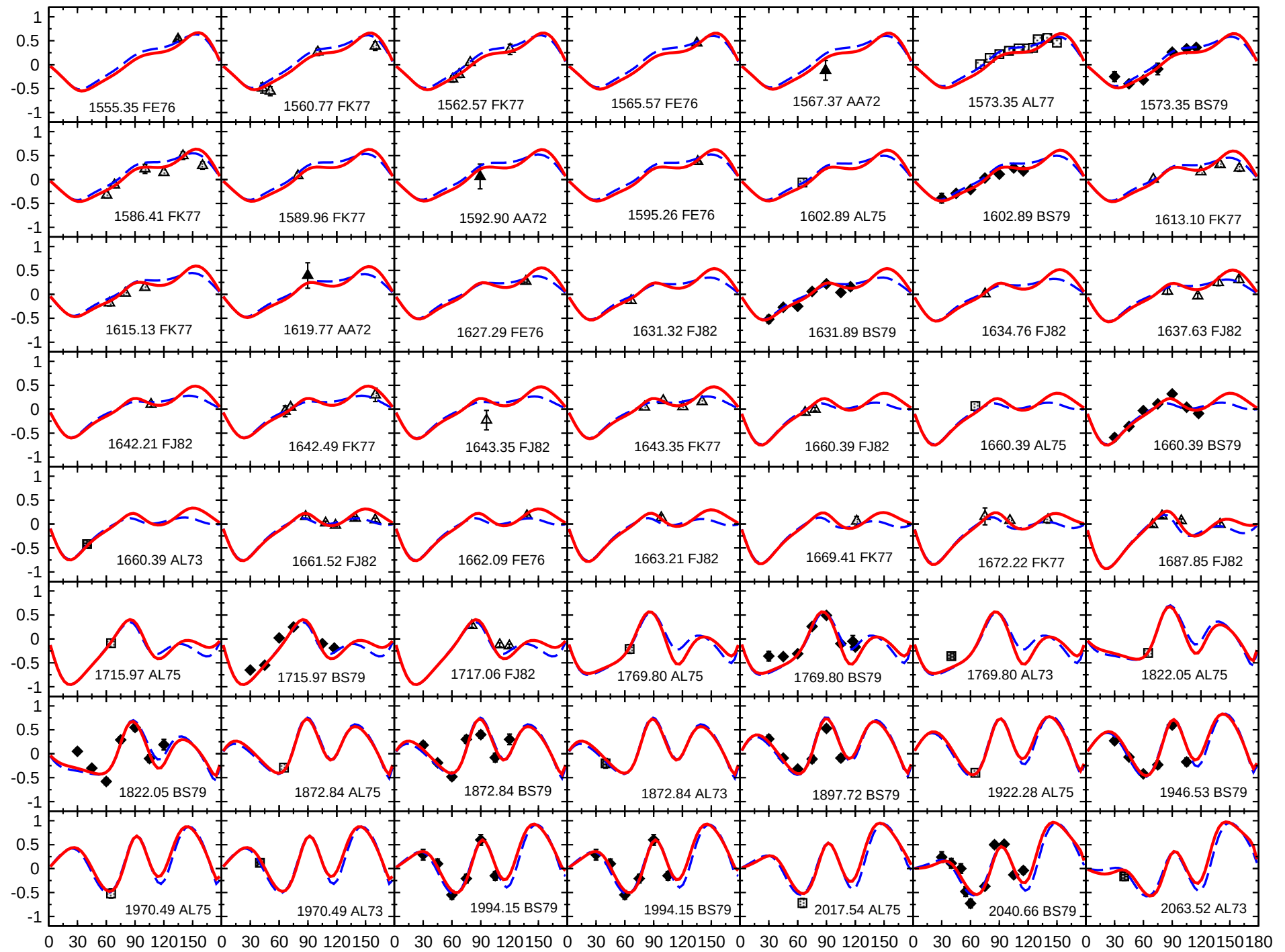
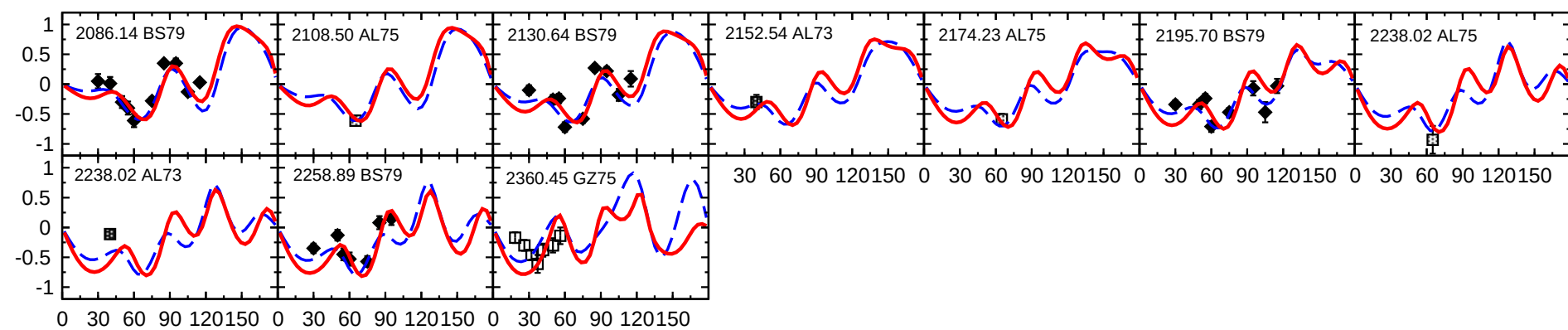


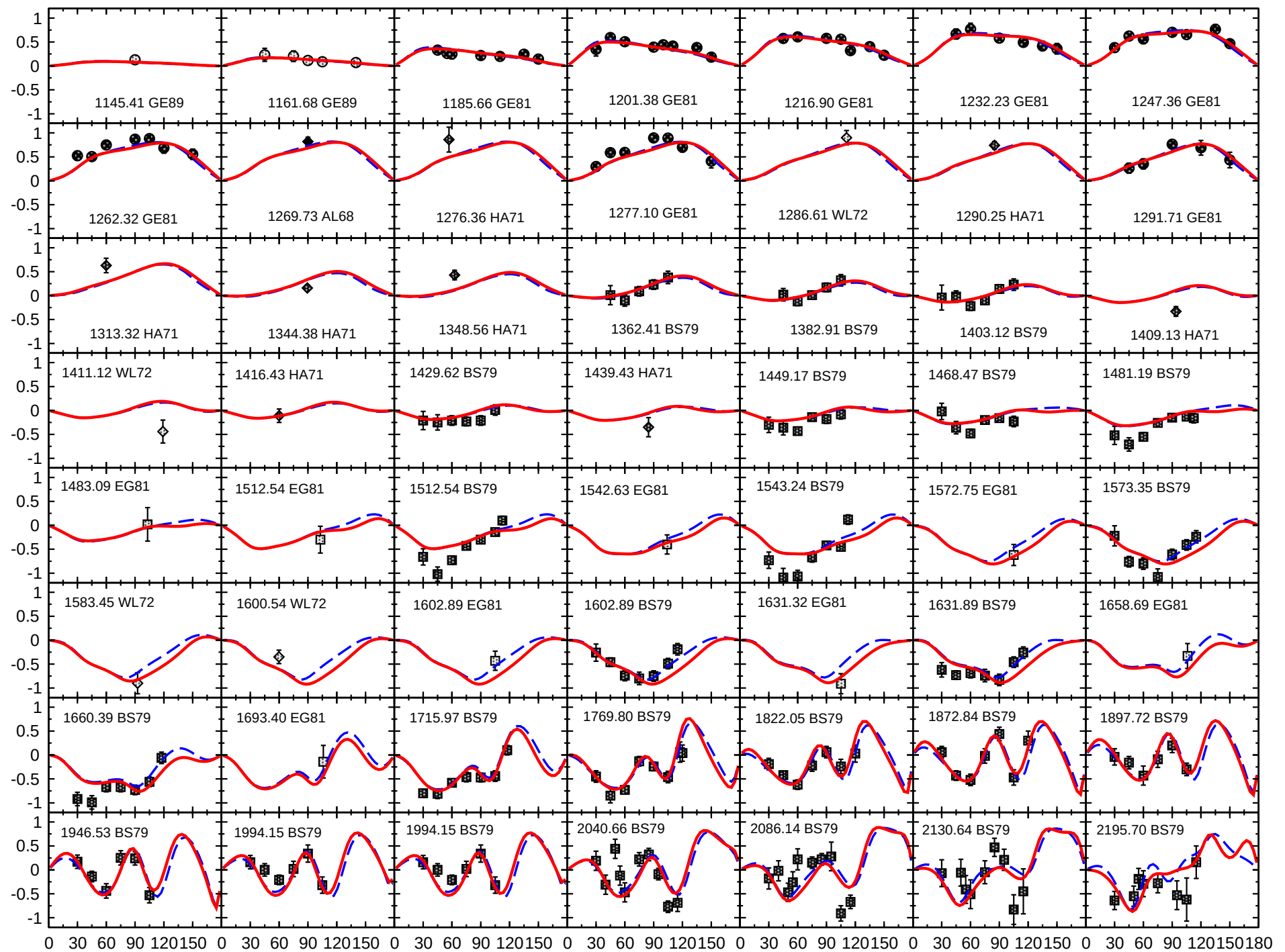
Figure 1: Data: DU13 (CLAS)

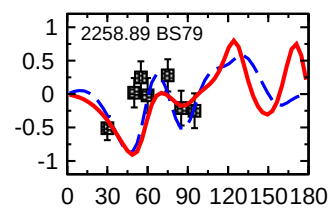


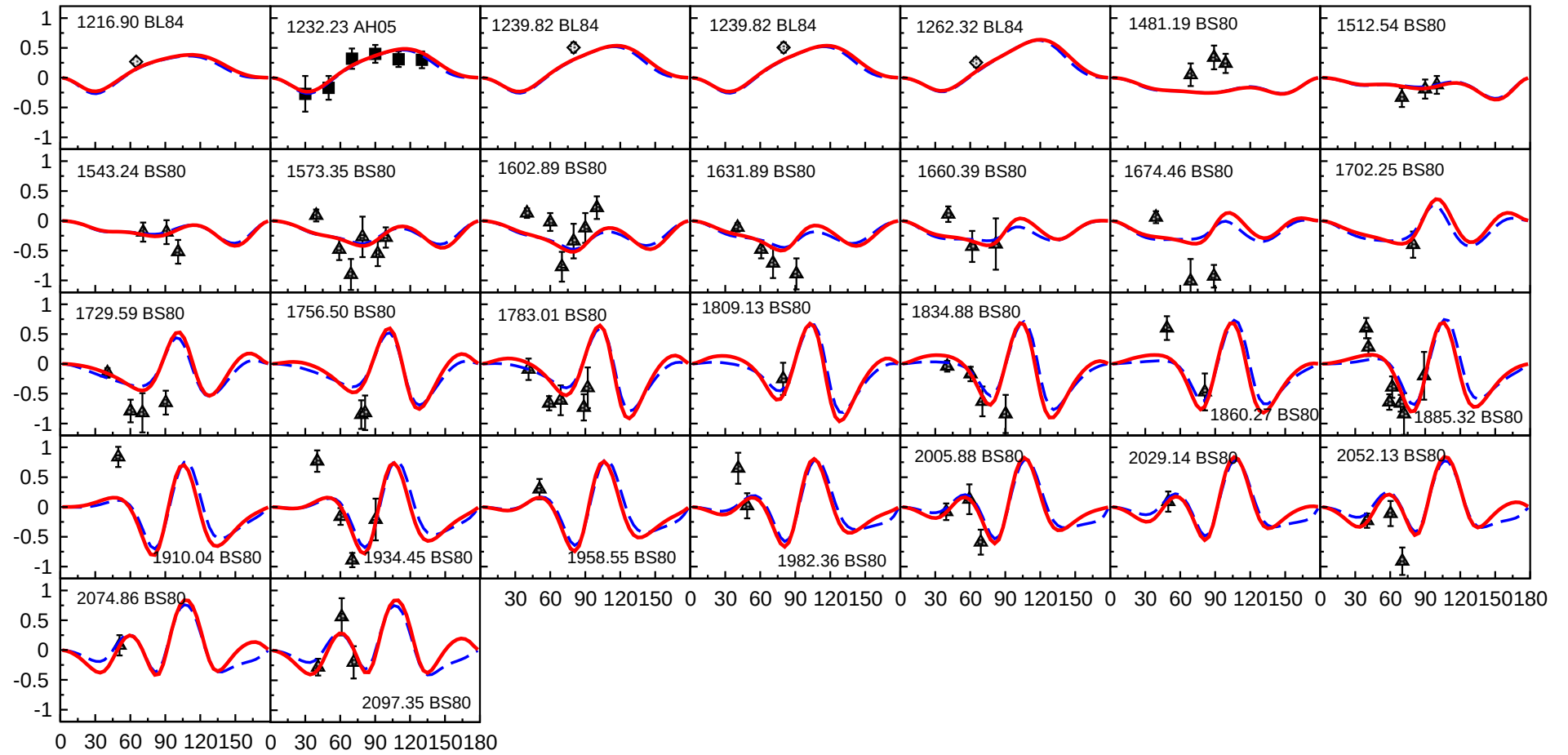


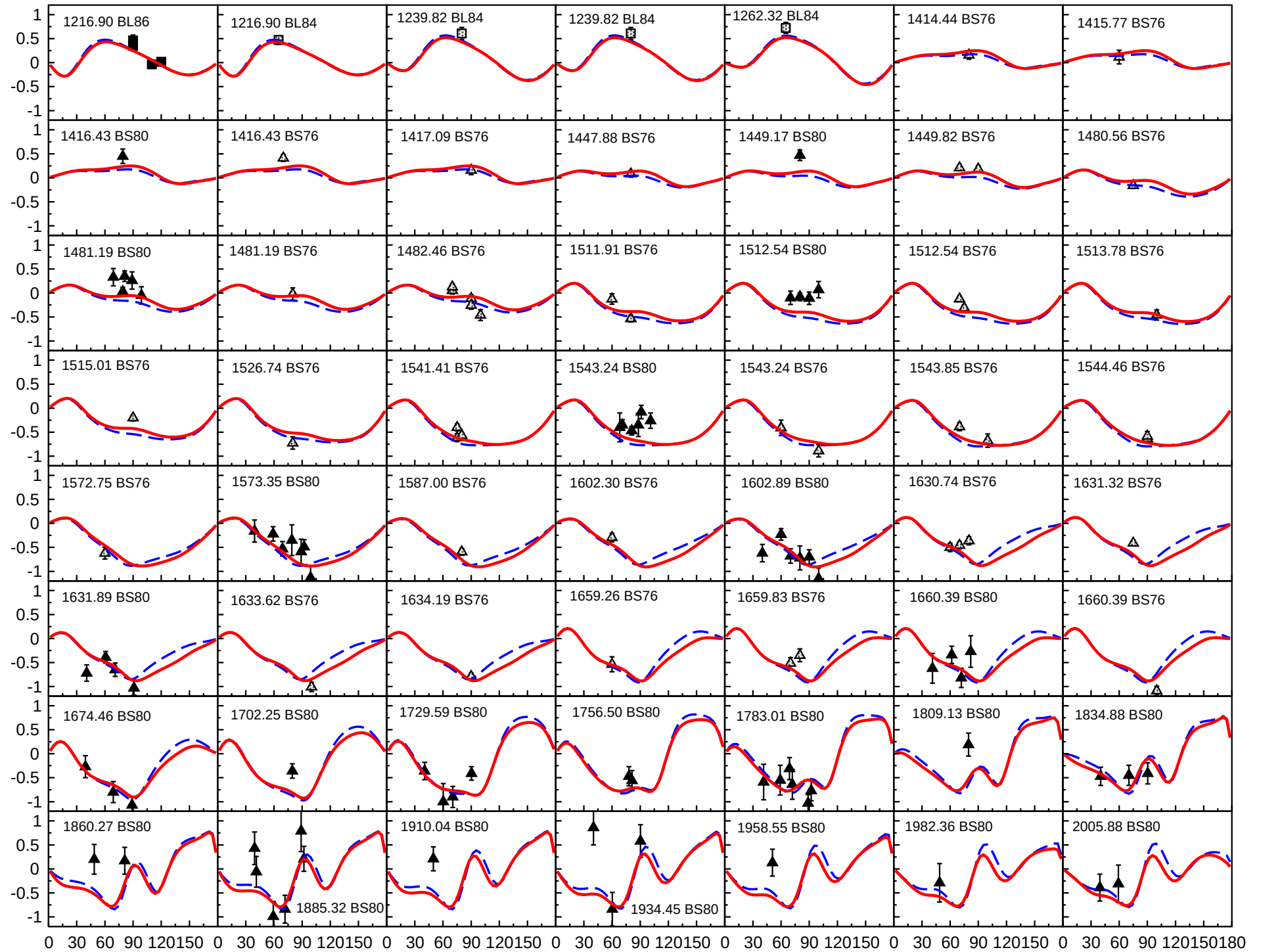


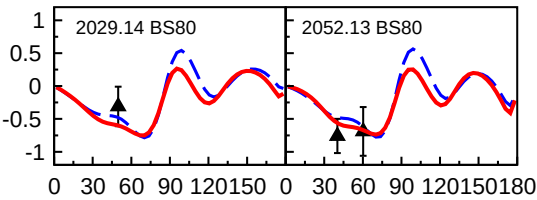


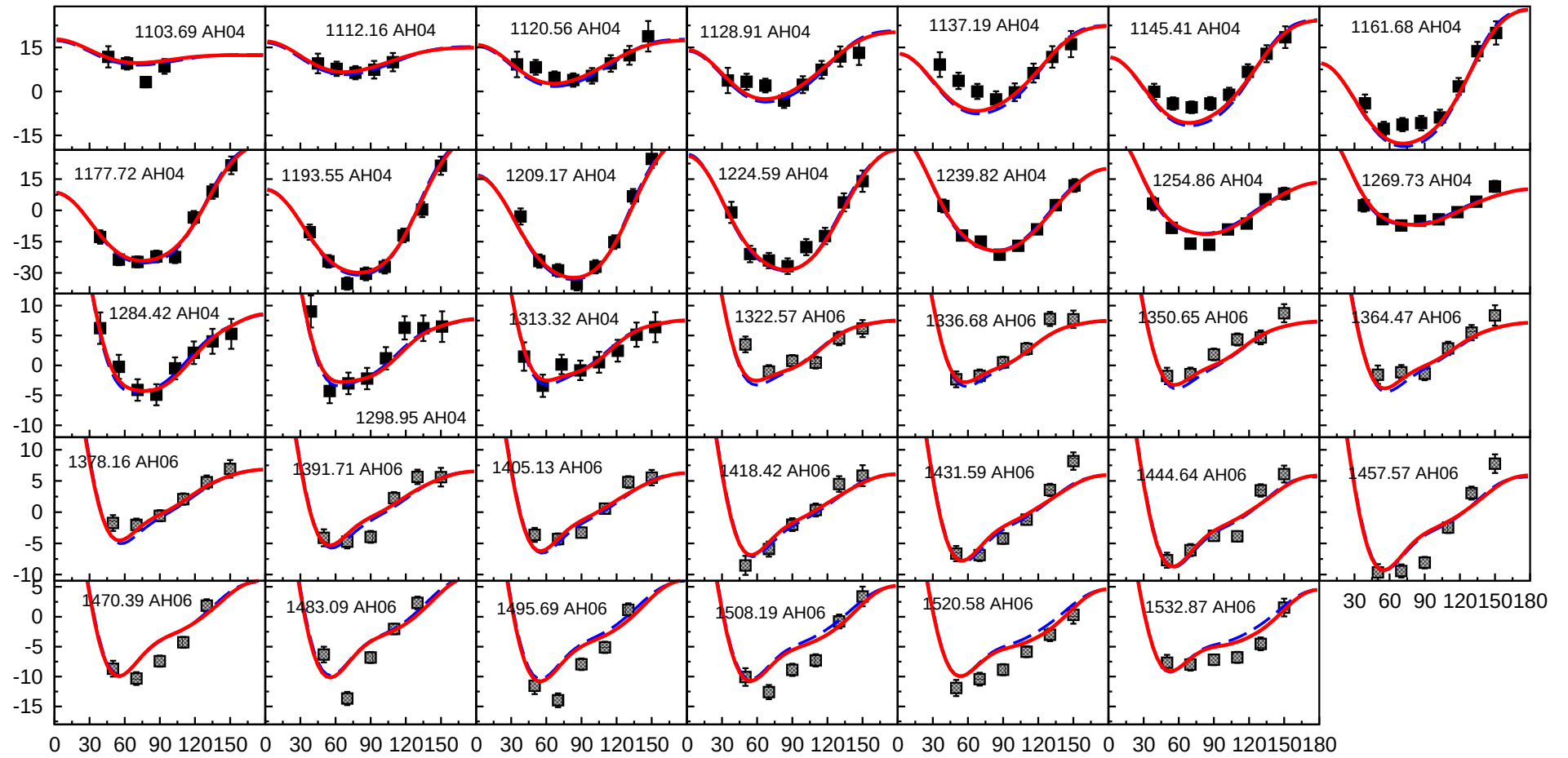












- Differential cross section $\gamma p \rightarrow \pi^+ p$:
 - KO(99) SAL KORKMAZ, PRL83, 3609(1999)
 - AH(04) MAIN AHRENS, EPJA21, 323(2004)
 - FI(96) SASK FISUM, PRC53, 1278(96)
 - WA(62) ORSA WALKER, PRL8, 37(62)
 - LI(64) GLAS LEITH, PL8, 355(64)
 - BR(95) SASK BRINK, NPA587, 657(95)
 - BU(94) BONN BUECHLER, NPA570, 580(94)
 - FI(70) BONN FISCHER, NPB16, 119(70)
 - FI(72) BONN FISCHER, ZP253, 38(72)
 - BR(00) MAIN BRANFORD, PRC61, 014603(2000),
 - FU(77) TOKY FUJII, NPB120, 395(77)
 - AK(71) LEBE ALEKSANDROV, SJNP12, 416(71)
 - KN(63) UCRL KNAPP, PR114, 605(63)
 - BE(00) MAIN BECK, PRC61, 034604(2000)
 - FU(71) TOKY FUJII, PRL26, 1672(71)
 - DA(01) BONN DANNHAUSEN, EPJA11, 441(2001)
 - FA(84) SACL FAURE, NPA424, 383(84)
 - BT(68) ORSA BETOURNE, PR172, 1343(68)
 - DU(80)PBONN E.J.DURWEN, PRP IR-80-7 80
 - BO(71) ORSA BOUQUET, PRL27, 1244(1971)
 - AH(06) MAIN AHRENS, PRC74, 054204 (2006)
 - AL(83) BONN ALTHOFF, ZPC18, 199(83)
 - AR(77) TOKY ARAI, JPSJ43, 363(77)
 - EC(67) CALT ECKLUND, PR159, 1195(1967)
 - EK(72) CORN EKSTRAND, PRD6, 1(1972)
 - DU(09) JLAB DUGGER, PRC79, 065206(2009)
 - HE(88)PBONN HEISE, THESIS BONN-IR-88-06
 - ZE(88)PBONN ZENZ, THESIS BONN-IR-88-12
 - BY(61)PCALT J.H.BOYDEN, PH.D THESIS 1961
 - AV(70) CEA ALVAREZ, PRD1, 1946(70)
 - AB(74) YERE ABRAHAMIAN, PLB48, 463(1974)
 - BY(61) CALT J.H.BOYDEN, PH.D THESIS 1961
 - ZH(05) JLAB ZHU, PRC71, 044603(2005)
 - KI(62)PCALT J.R.KILNER, PH.D THESIS 1962
 - BU(66) DESY BUSCHHORN, PRL17, 1027(1966)
 - BU(67) DESY BUSCHORN, PRL18, 571(1967)
 - DO(67) CEA DOWD, PRL18, 414(1967)
- Beam asymmetry $\Sigma \gamma p \rightarrow \pi^+ p$:
 - BL(01) LEGS BLANPIED, PRC64, 025203(01)
 - ZA(75) TOMS ZABAEV, SJNP21, 286(75)
 - KU(71) TOMS KUZNETSOV, NCL1, 233(71)
 - SM(63) STAN SMITH, PR130, 2429(63)
 - GE(89) KHAR GETMAN, VANT8, 3(1989)
 - TA(60) STAN TAYLOR, PR117, 835(60)

- GN(76) KHAR GANENKO, SJNP23, 52(76)
- BE(00) MAIN BECK, PRC61, 034604(2000)
- GE(81) KHAR GETMAN, NPB188, 397(81)
- HM(80)PBONN P.HAMPE, PRP IR-80-1 80
- LU(66) STAN LIU, PR144, 1093(66)
- BS(79) DNPL BUSSEY, NPB154, 205(79)
- AJ(00) GRAA AJAKA, PLB475, 372(2000), KUZNE
- KE(74) SLAC KNIES, PRD10, 2778(74)
- AS(72) CEA ALSPECTOR, PRL28, 1403(72)
- BA(02) GRAA BARTALINI, PLB544, 113(2002)
- AB(80)1YERE ABRAHAMIAN, SJNP32, 66(1980)
- AB(74) YERE ABRAHAMIAN, PLB48, 463(1974)
- GE(69) SLAC GEWENIGER, PL29B, 41(1969)
- DU(13) Dugger *et al.* (CLAS Collaboration) PRC88, 065203, PRC89, 029901 (2014)
- Recoil Polarization $\gamma p \rightarrow \pi^+ p$:
 - GE(89) KHAR GETMAN, VANT8, 3(1989)
 - GE(81) KHAR GETMAN, NPB188, 397(81)
 - AL(68)1BONN ALTHOFF, PLB26, 640(68)
 - HA(71) BONN U.HAHN, PRP PI1-143 71
 - WL(72) BONN W.WALLRAFF, PRP PIB1-162 72
 - BS(79) DNPL BUSSEY, NPB154, 205(79)
 - EG(81) TOKY EGAWA, NPB188, 11(81)
- Target asymmetry T $\gamma p \rightarrow \pi^+ p$:
 - DU(96) BONN DUTZ, NPA601, 319(1996)
 - GE(89) KHAR GETMAN, VANT8, 3(1989)
 - GE(81) KHAR GETMAN, NPB188, 397(81)
 - AA(72) TOKY ARAI, NPB48, 397(72)
 - FE(76) TOKY FELLER, NPB102, 207(76)
 - GE(80) KHAR GETMAN, SJNP31, 480(80)
 - FK(77) TOKY FUKUSHIMA, NPB130, 486(77)
 - AL(73) BONN ALTHOFF, NPB53, 9(73)
 - BS(79) DNPL BUSSEY, NPB154, 205(79)
 - AL(76)1BONN ALTHOFF, PLB63, 107(76)
 - AL(75)1BONN ALTHOFF, PLB59, 93(75)
 - AL(77) BONN ALTHOFF, NPB131, 1(77)
 - FJ(82) TOKY FUJII, NPB197, 365(82)
 - GZ(75) BONN GENZEL, NPB92, 196(1975)
- G $\gamma p \rightarrow \pi^+ p$:
 - BL(84) KHAR BELYAEV, SJNP40, 83(84)
 - AH(05) MAIN AHRENS, EJPA26, 135(2005)
 - BS(80) DNPL BUSSEY, NPB169, 403(80)
- H $\gamma p \rightarrow \pi^+ p$:
 - BL(86) KHAR BELYAEV, SJNP43, 947(86)
 - BL(84) KHAR BELYAEV, SJNP40, 83(84)

- BS(76) DARE BUSSEY, PHYSIK DATEN 1977
 - BS(80) DNPL BUSSEY, NPB169, 403(80)
- Δ_{13} $\gamma p \rightarrow \pi^+ p$:
 - AH(04) MAIN AHRENS, EPJA21, 323(2004)
 - AH(06) MAIN AHRENS, PRC74, 054204 (2006)