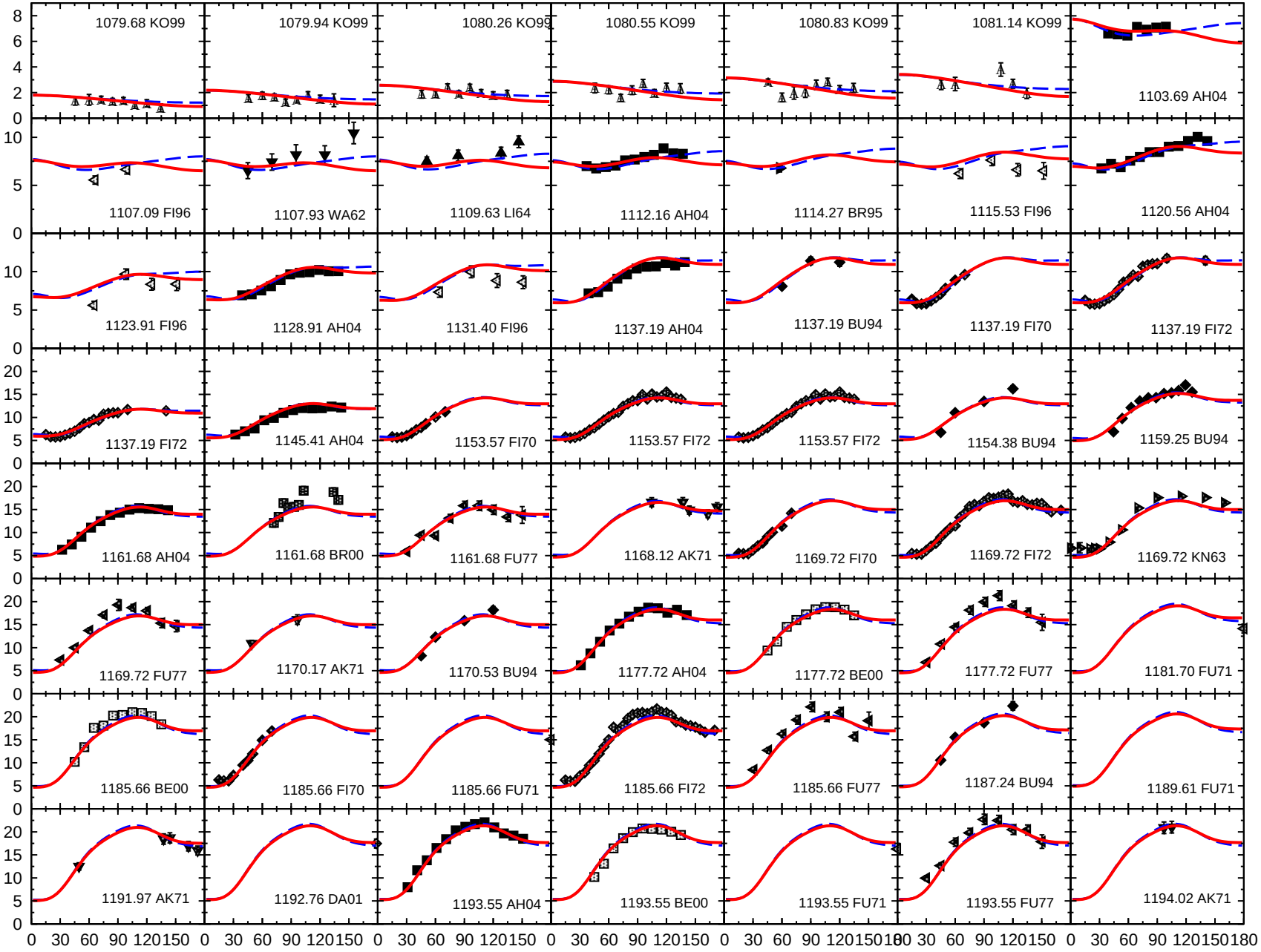
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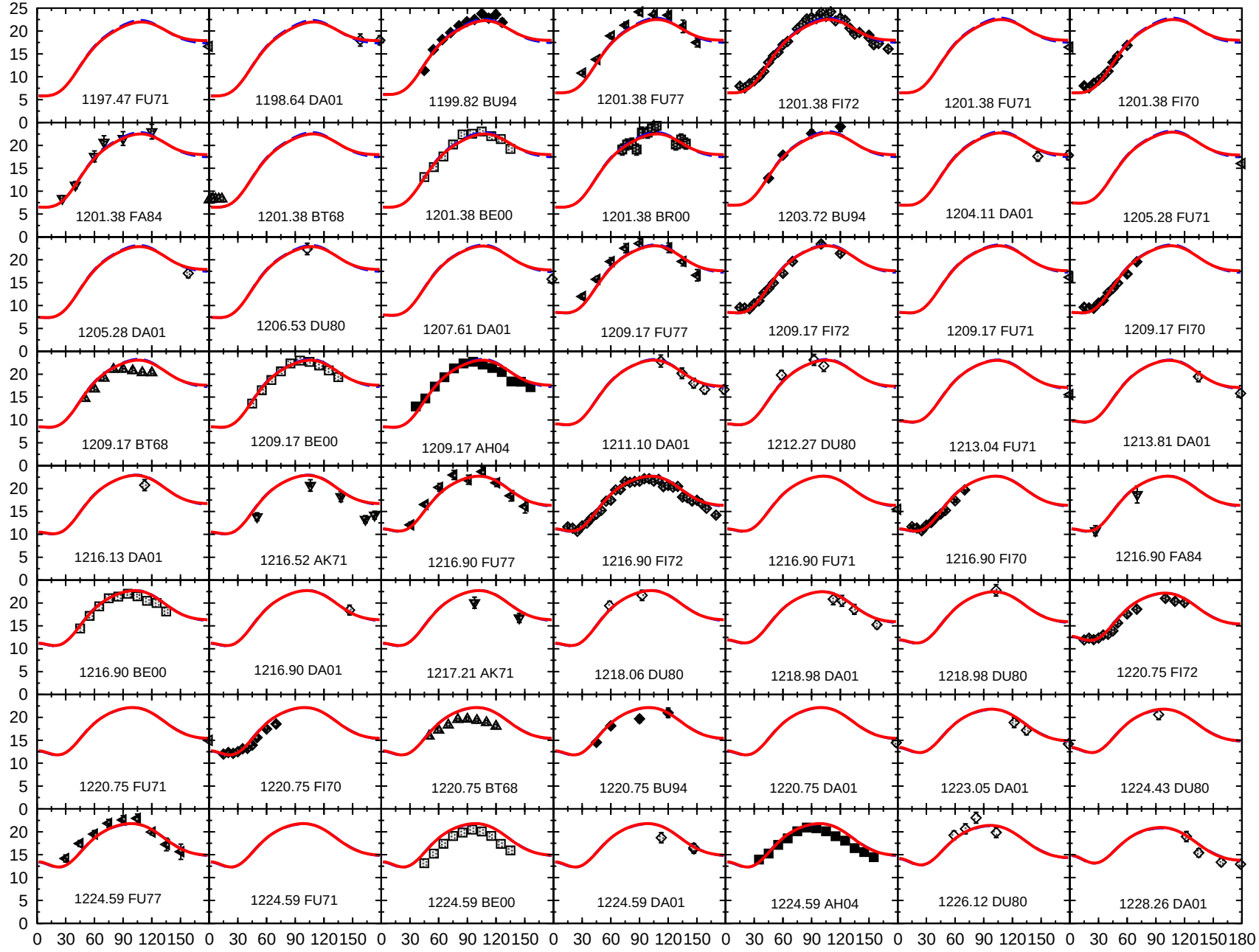
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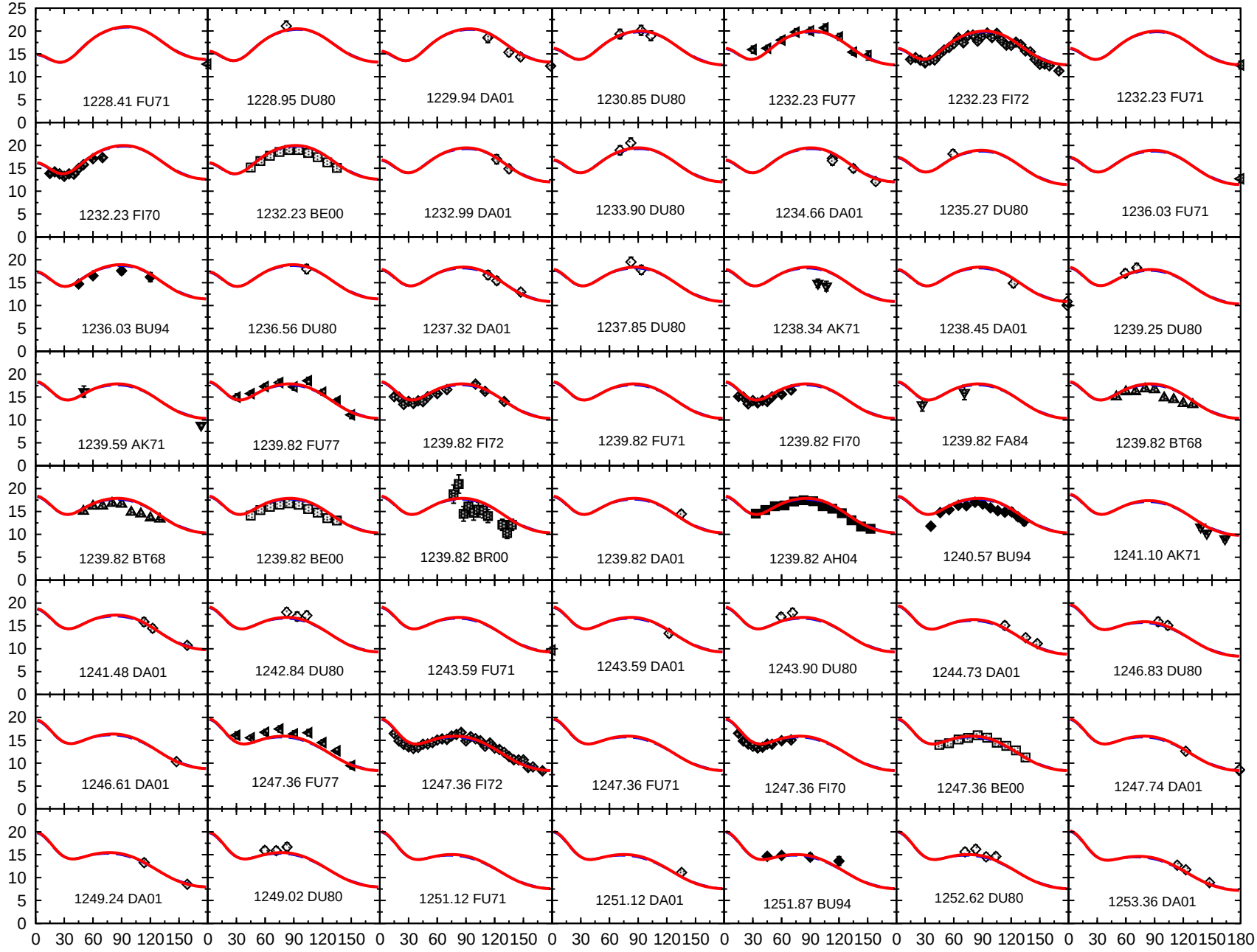
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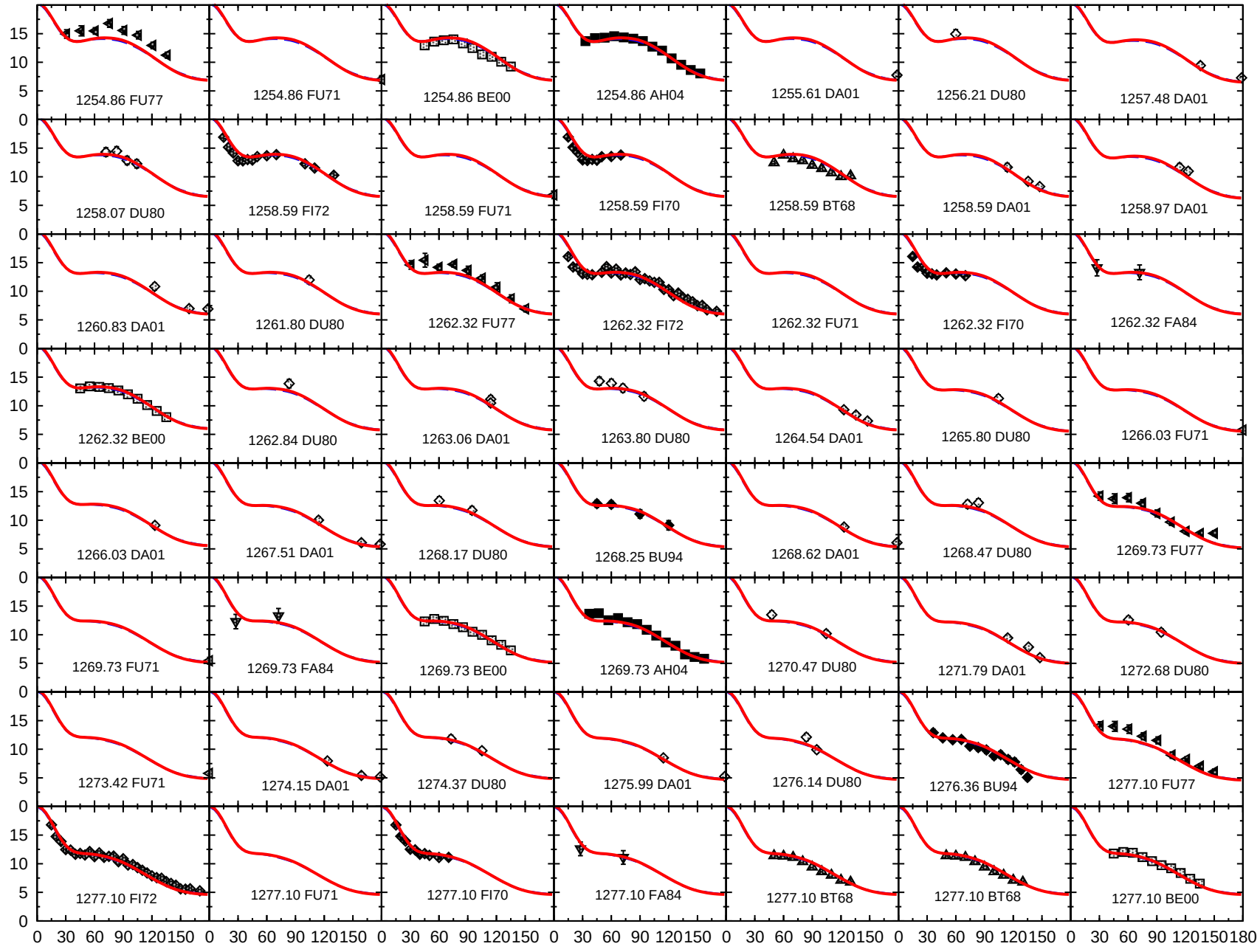
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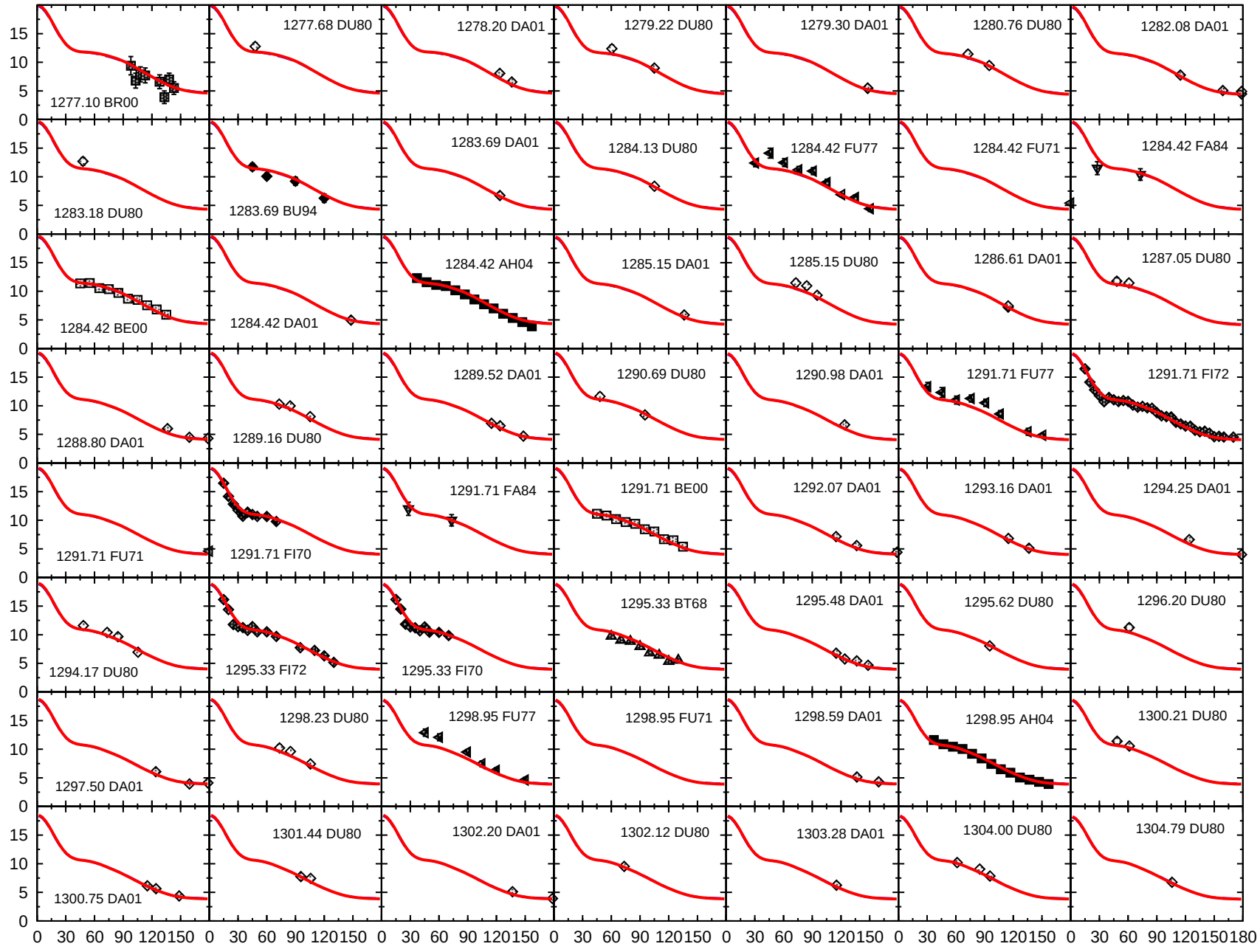
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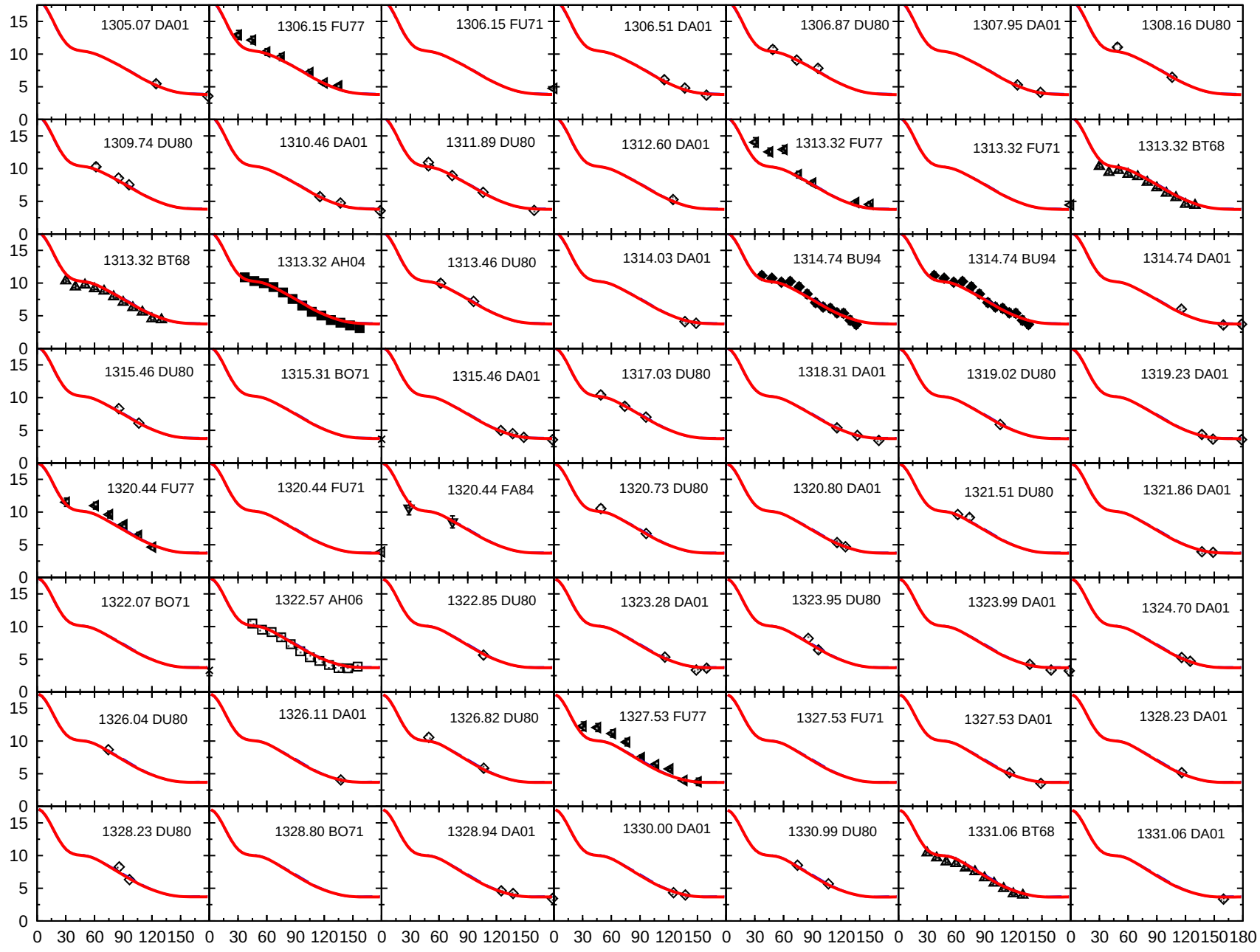
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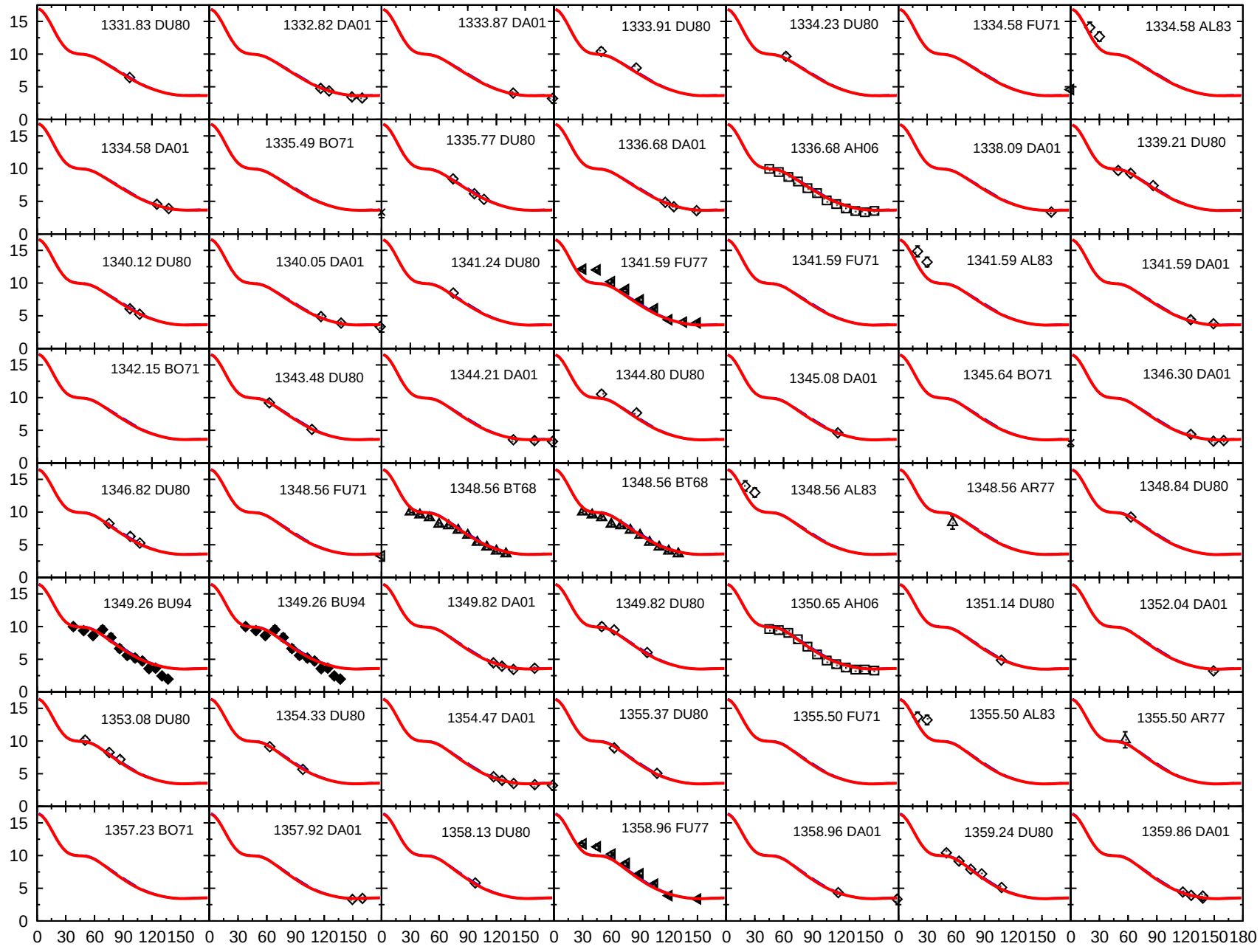
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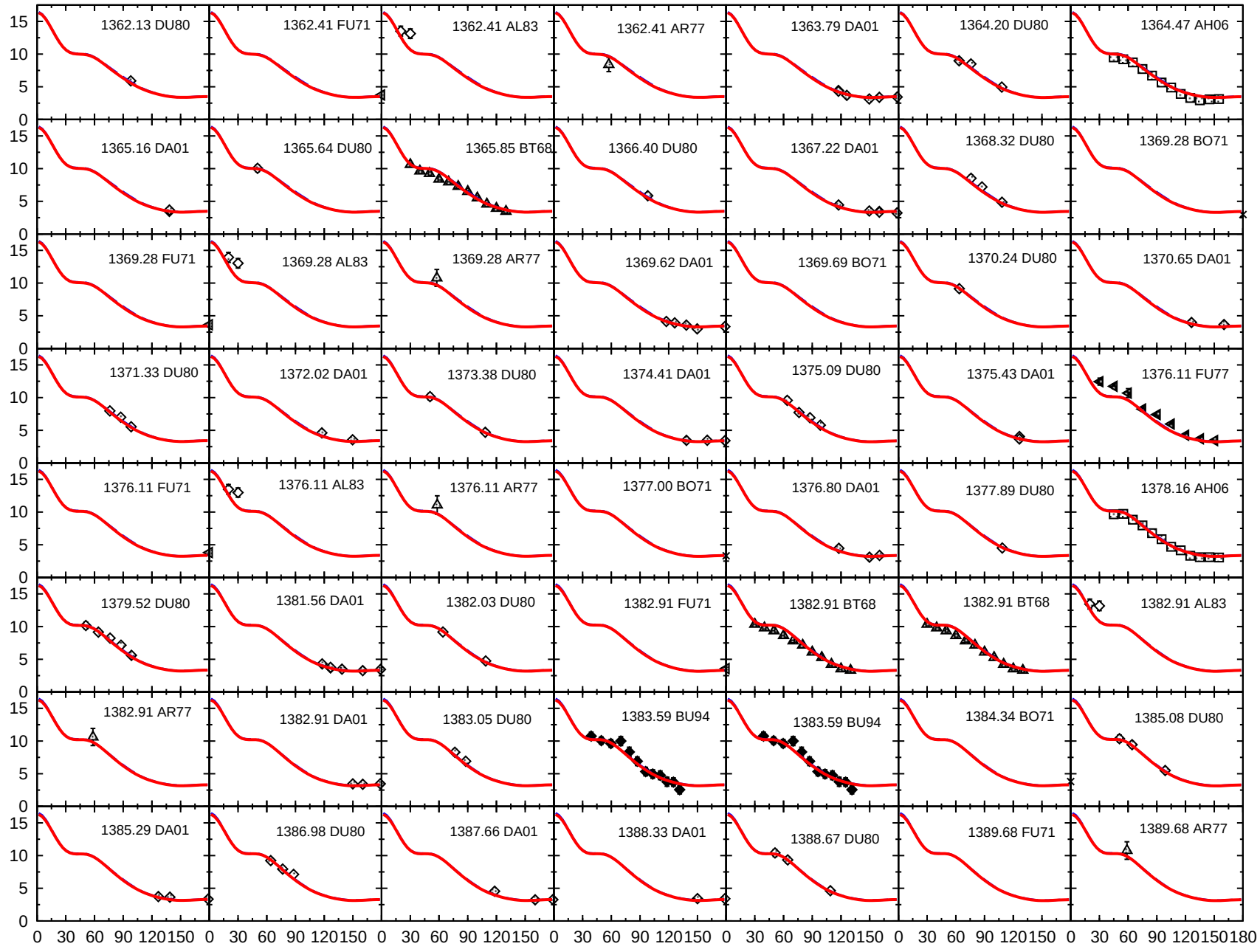
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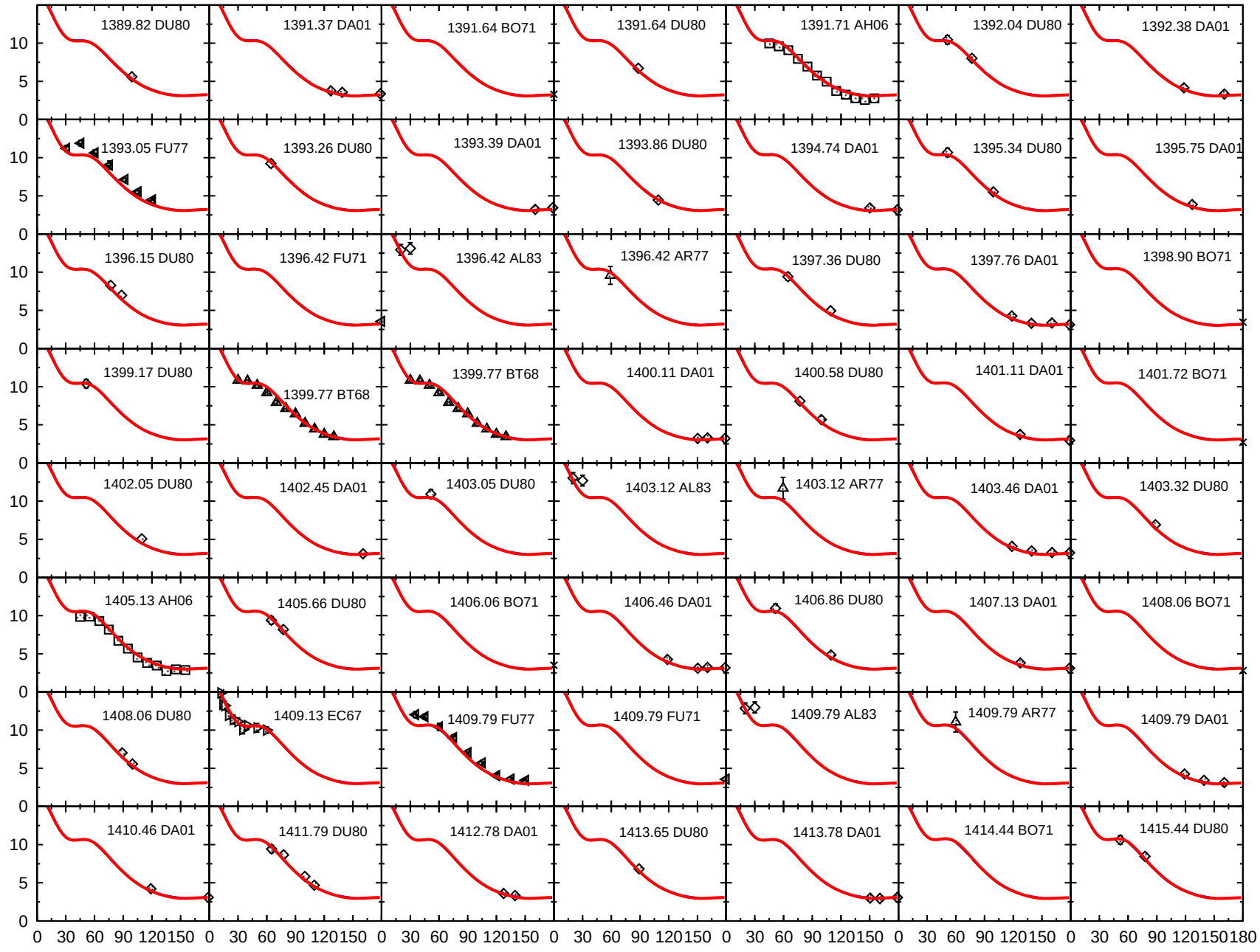
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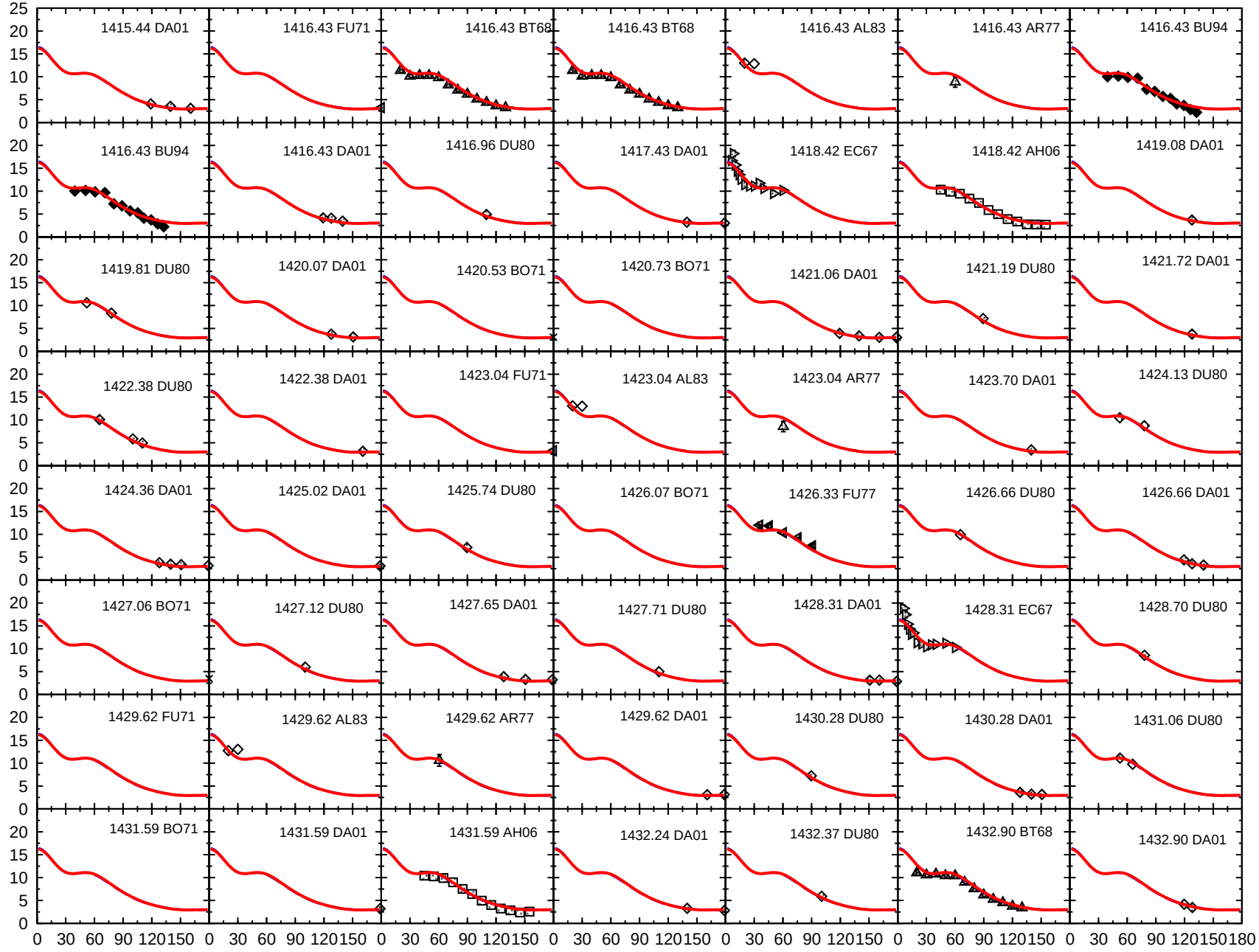
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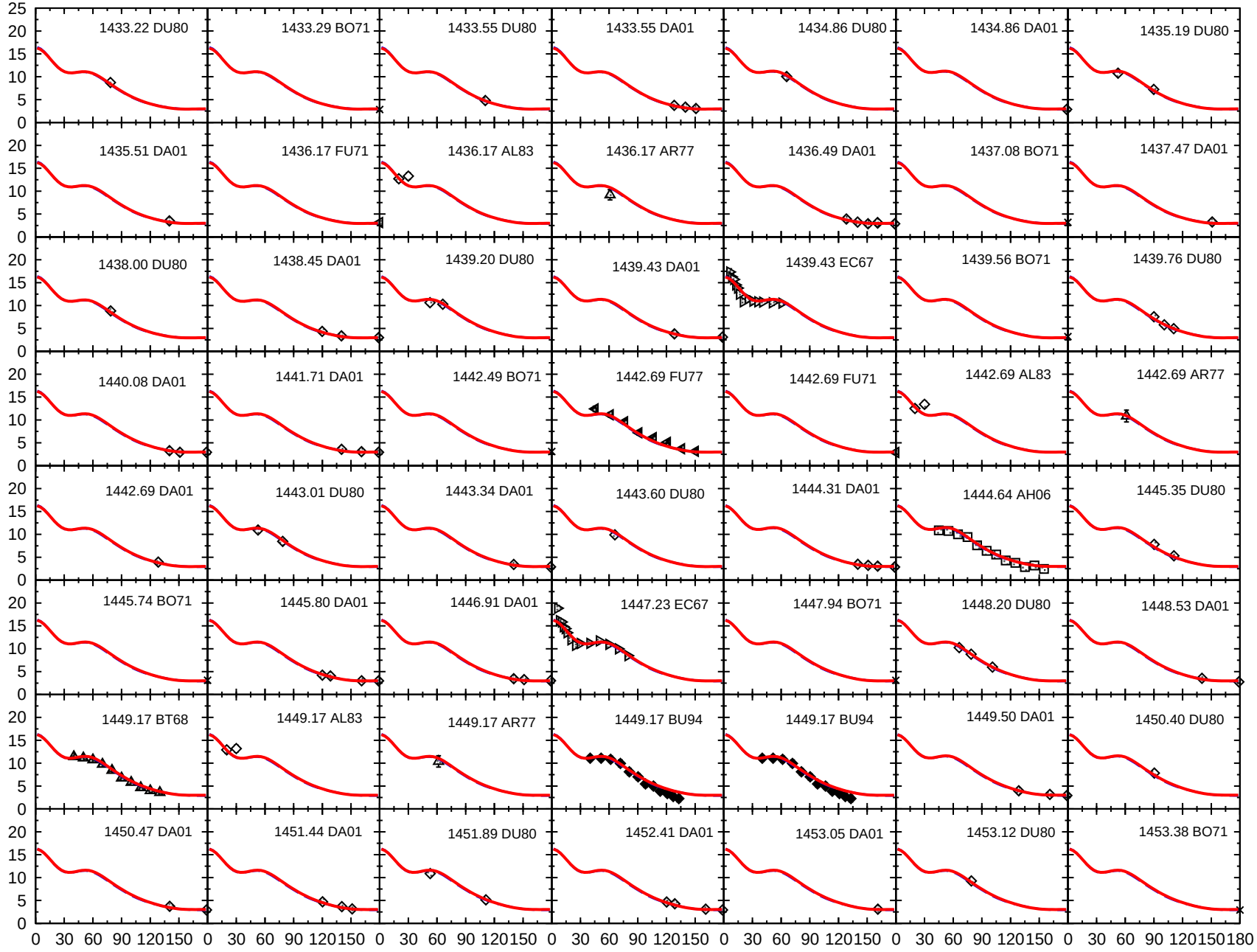
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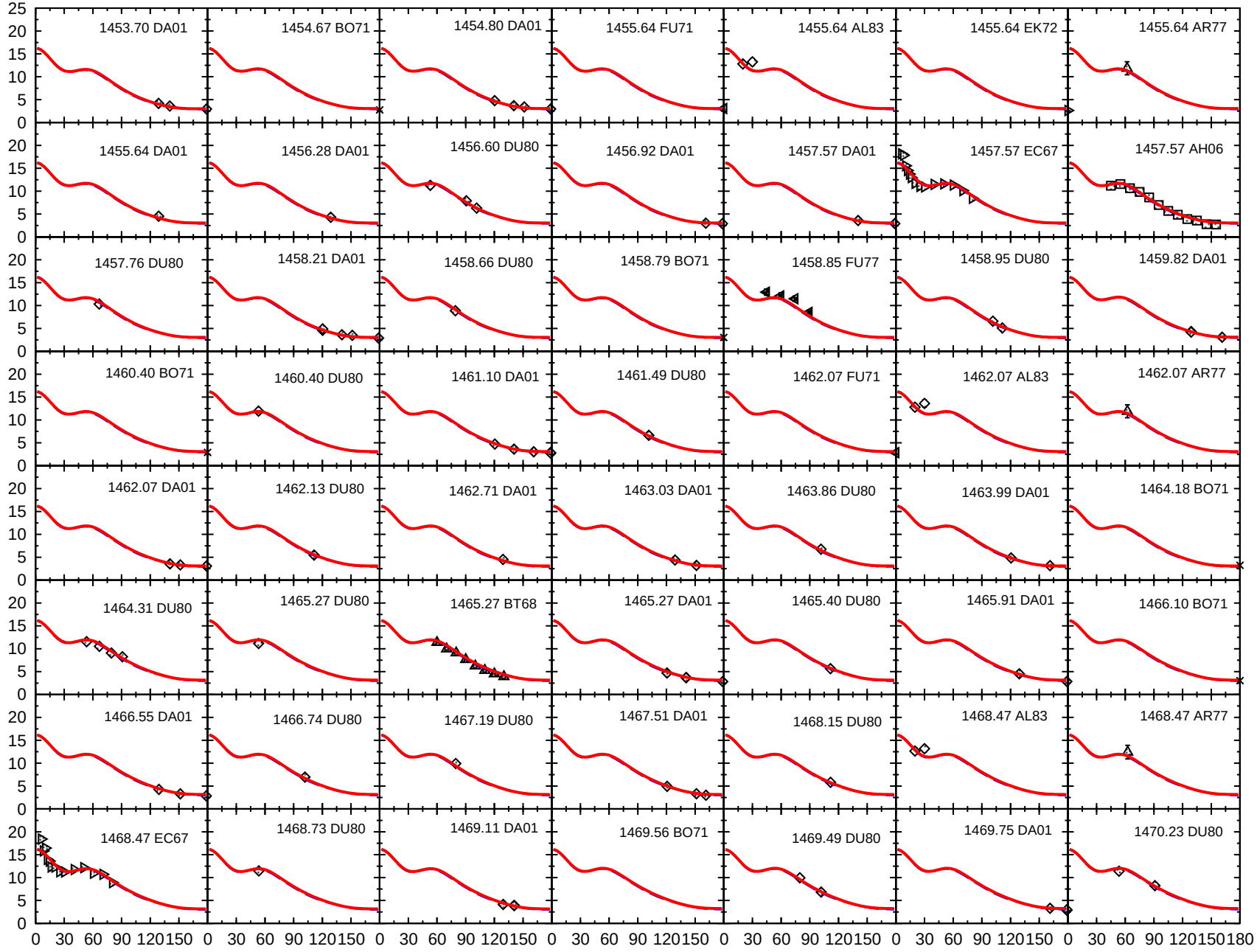
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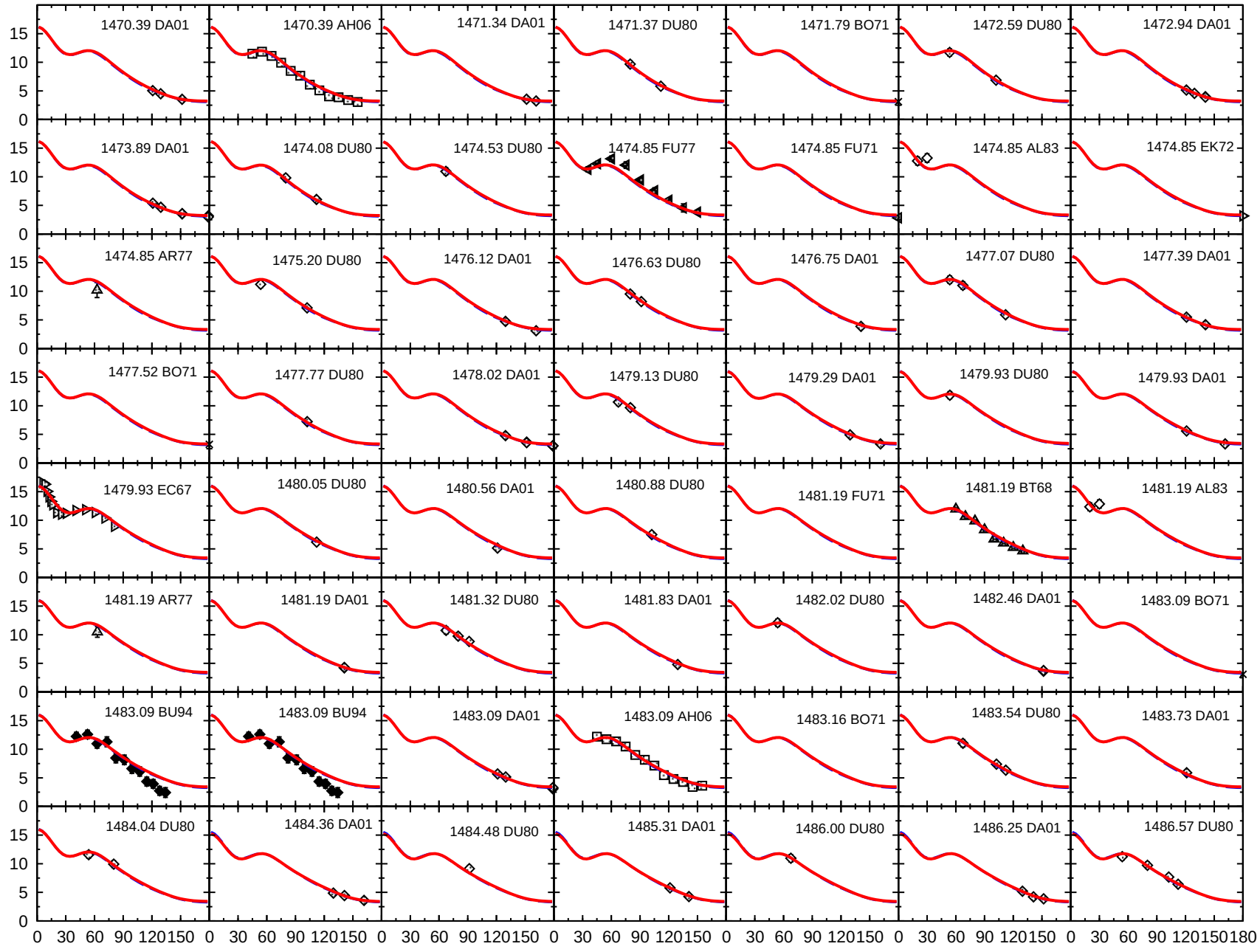
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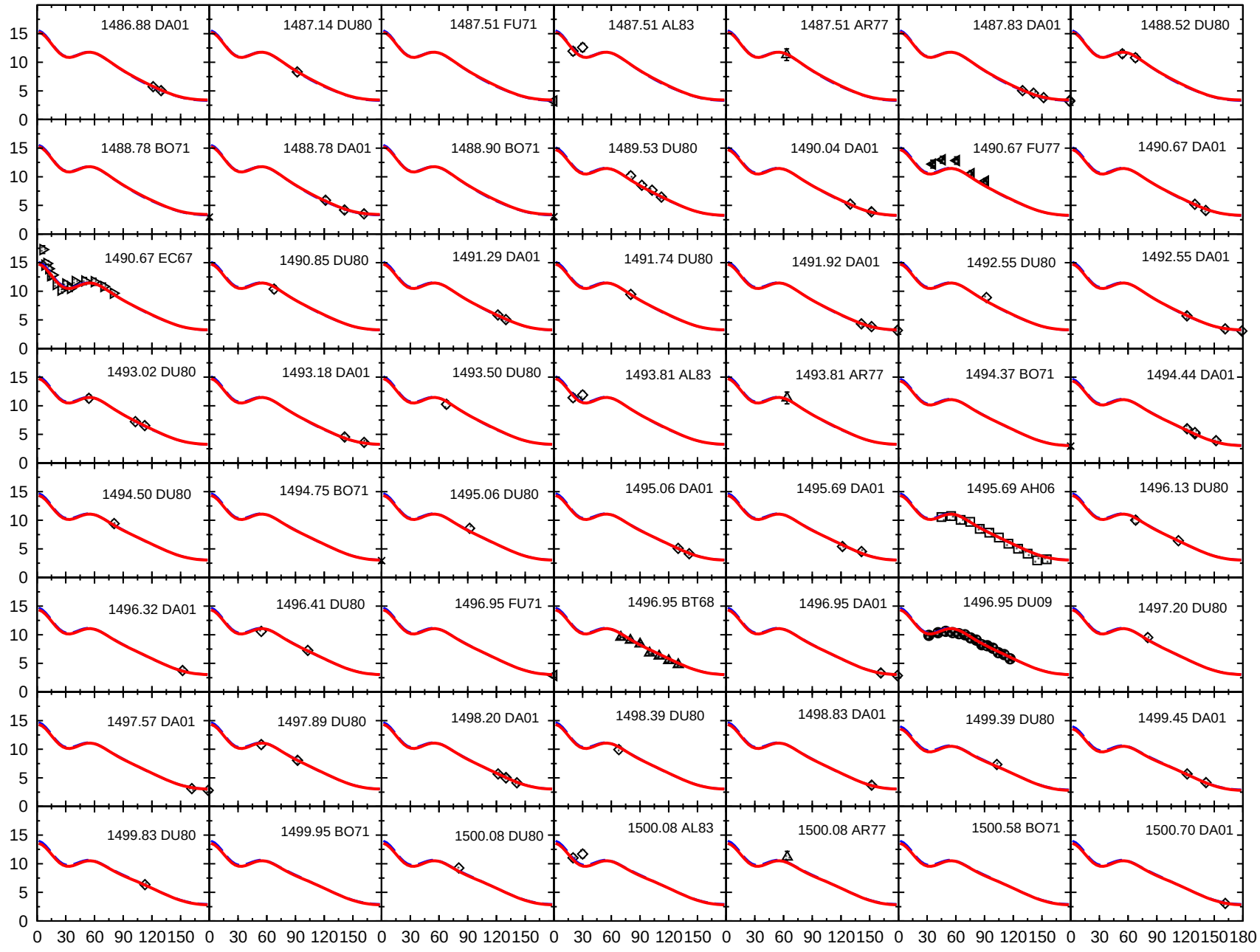
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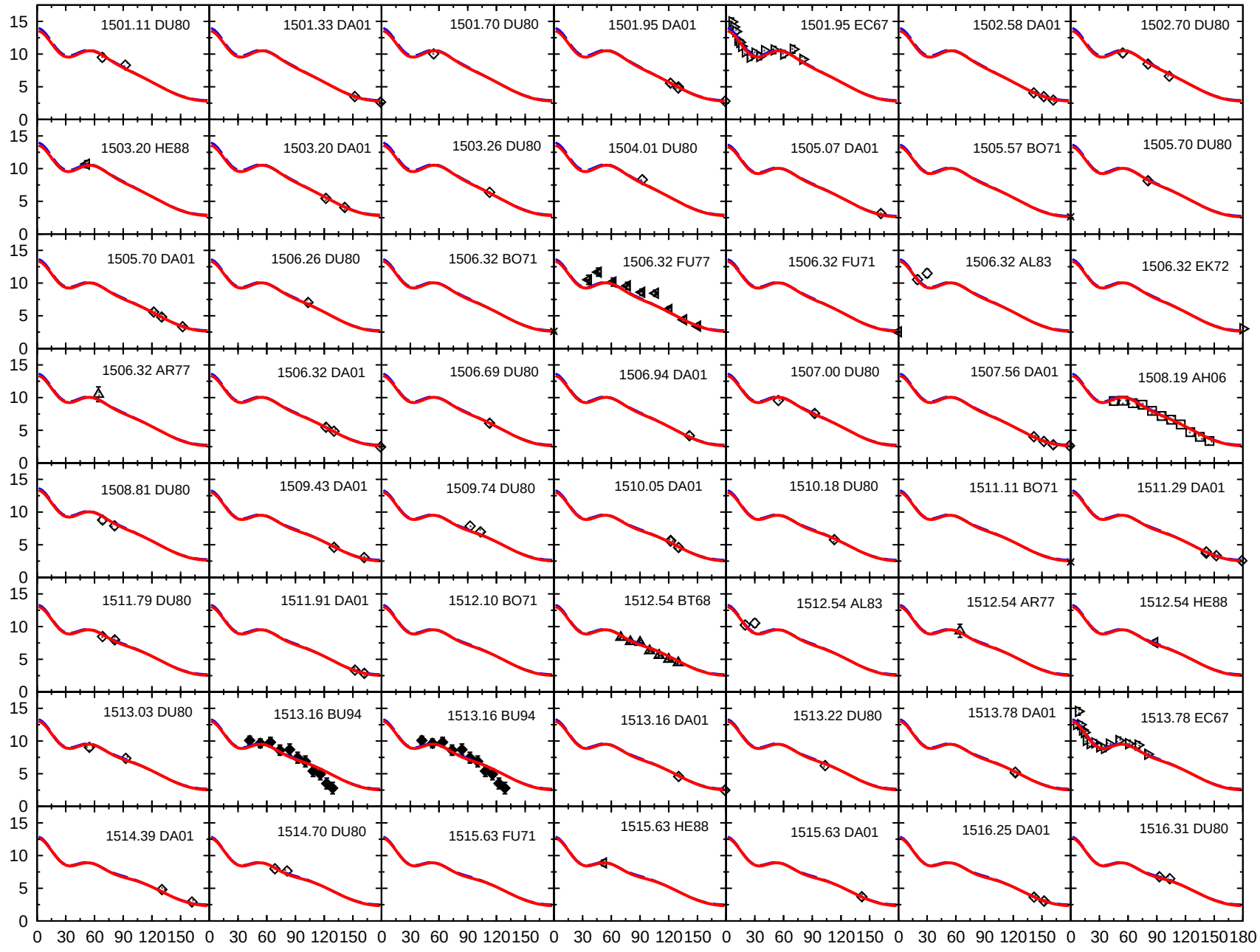
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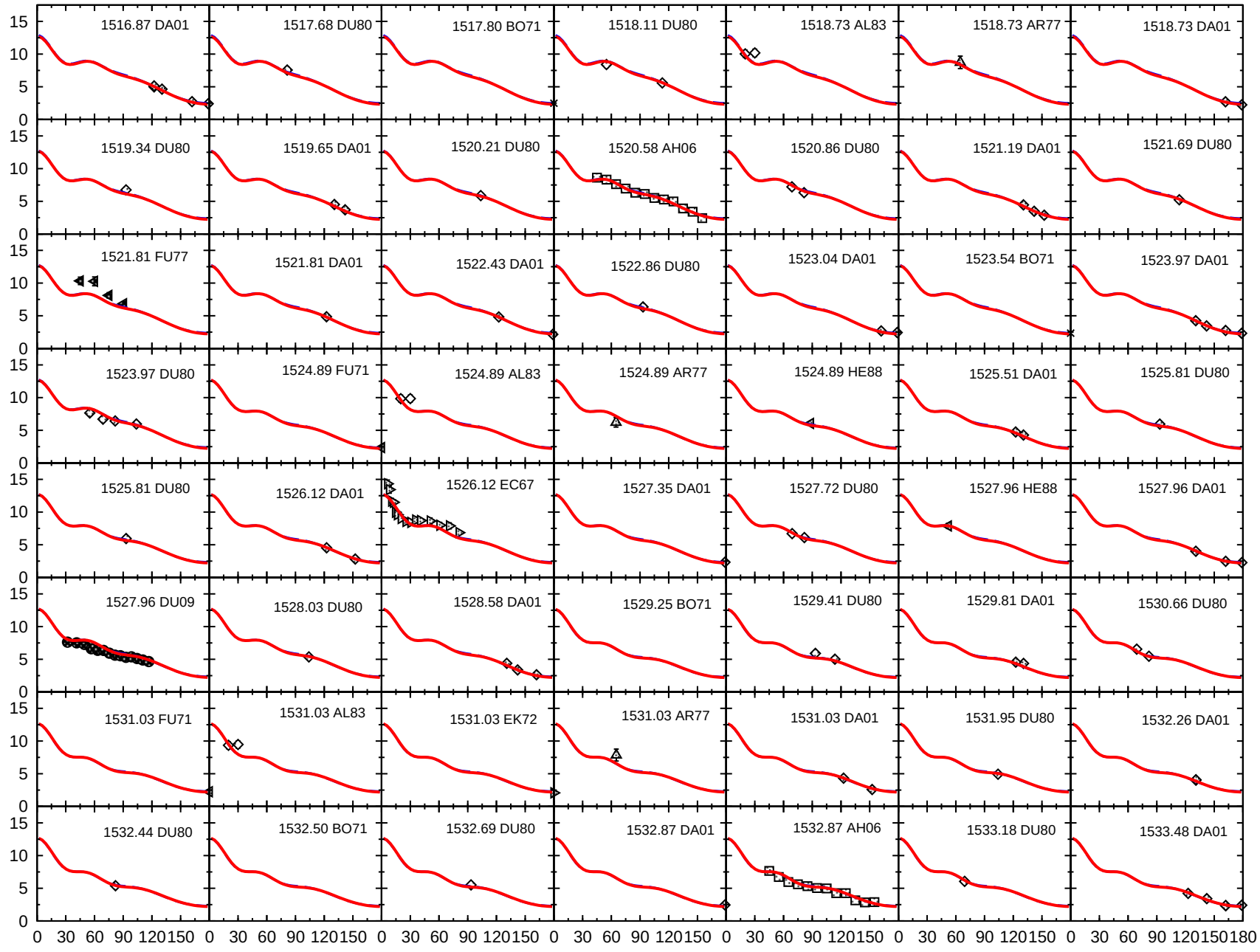
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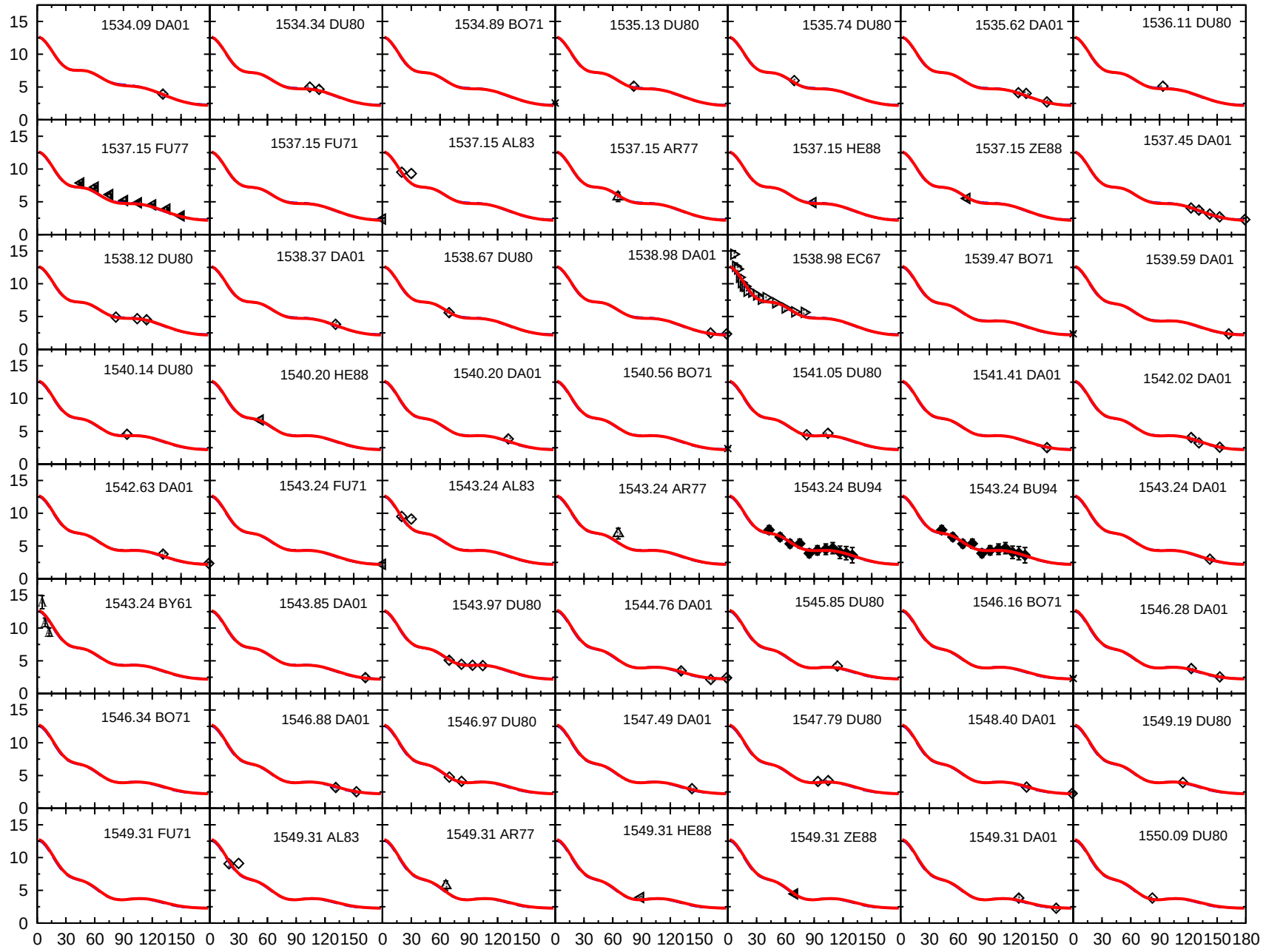
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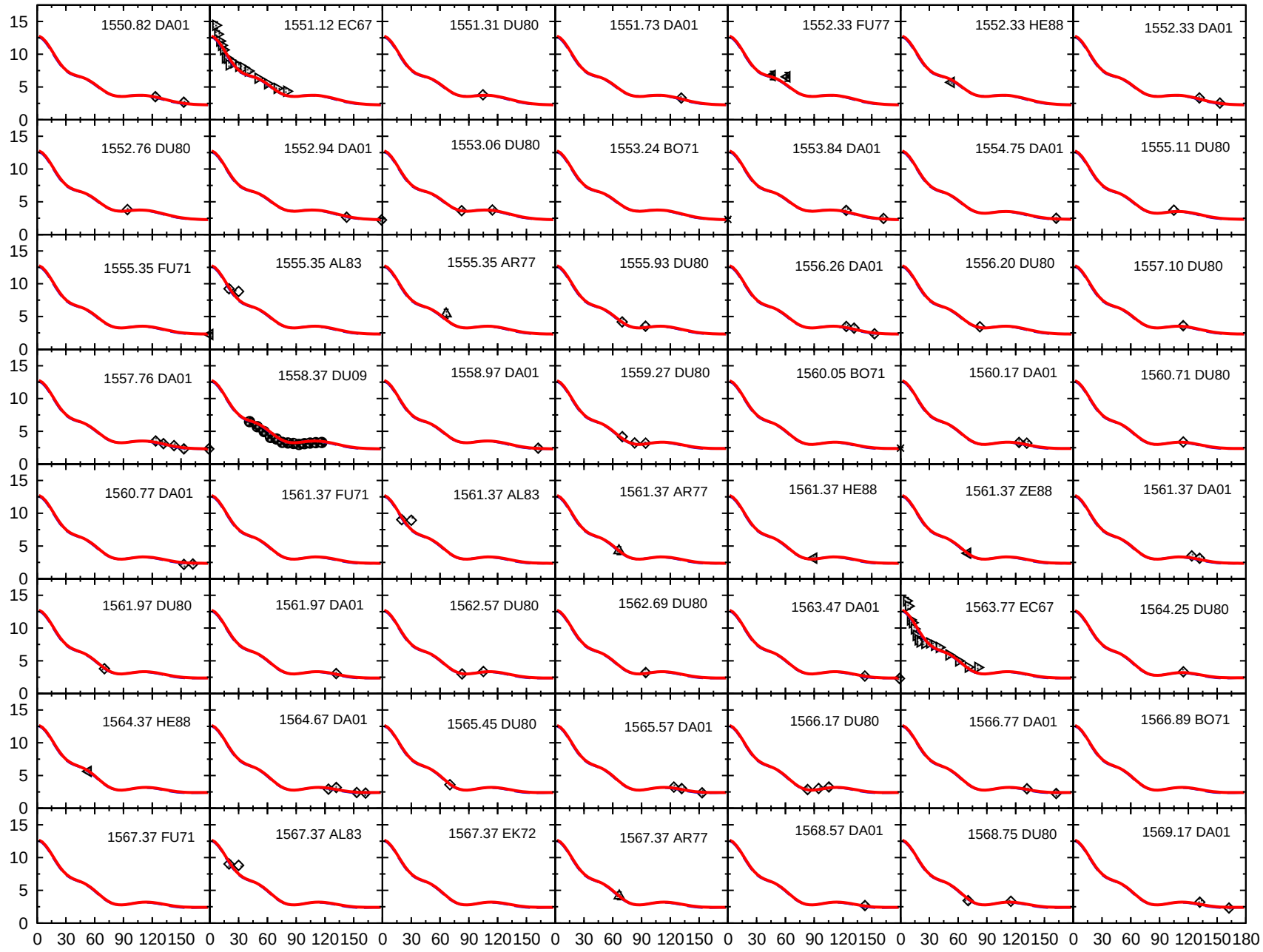
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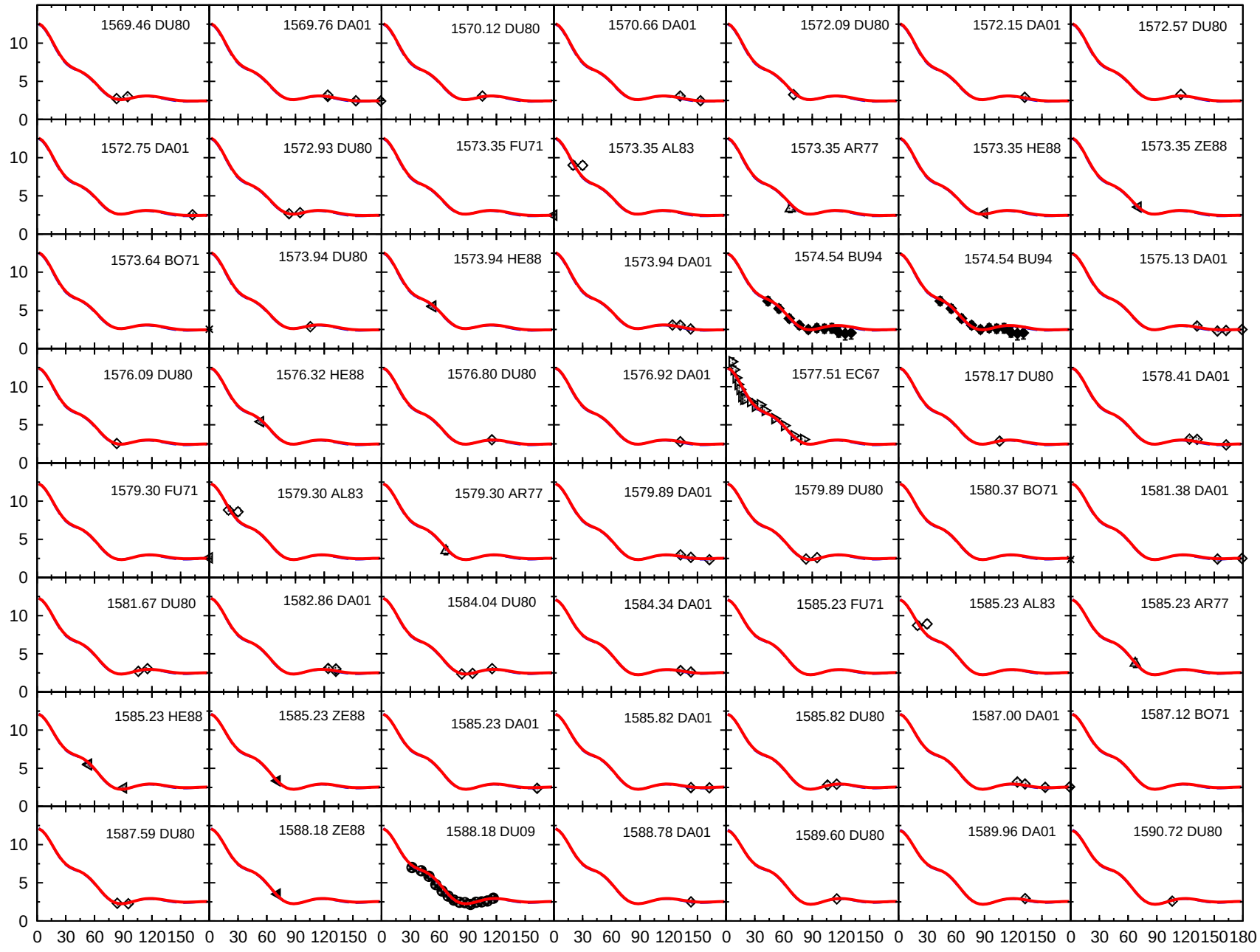
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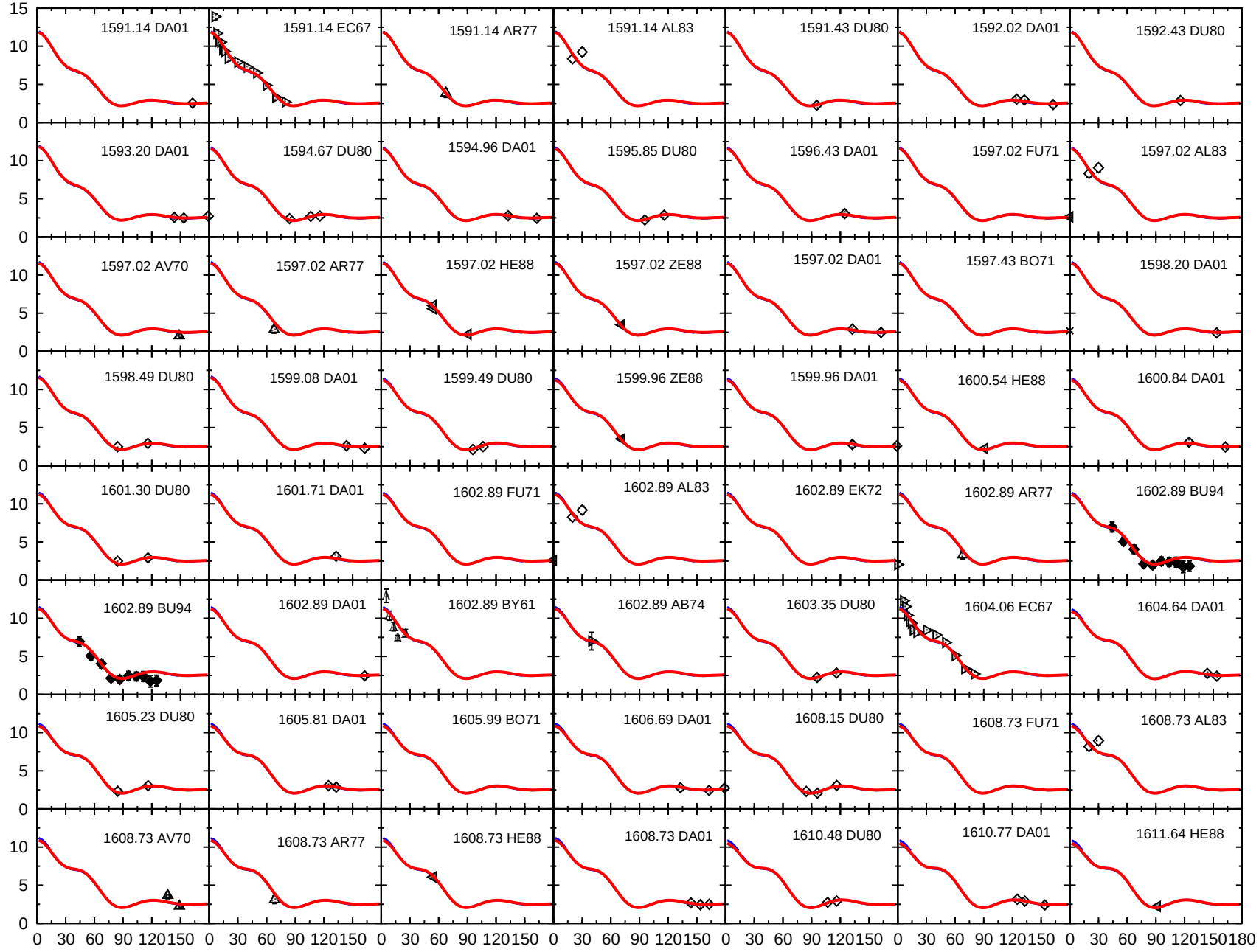
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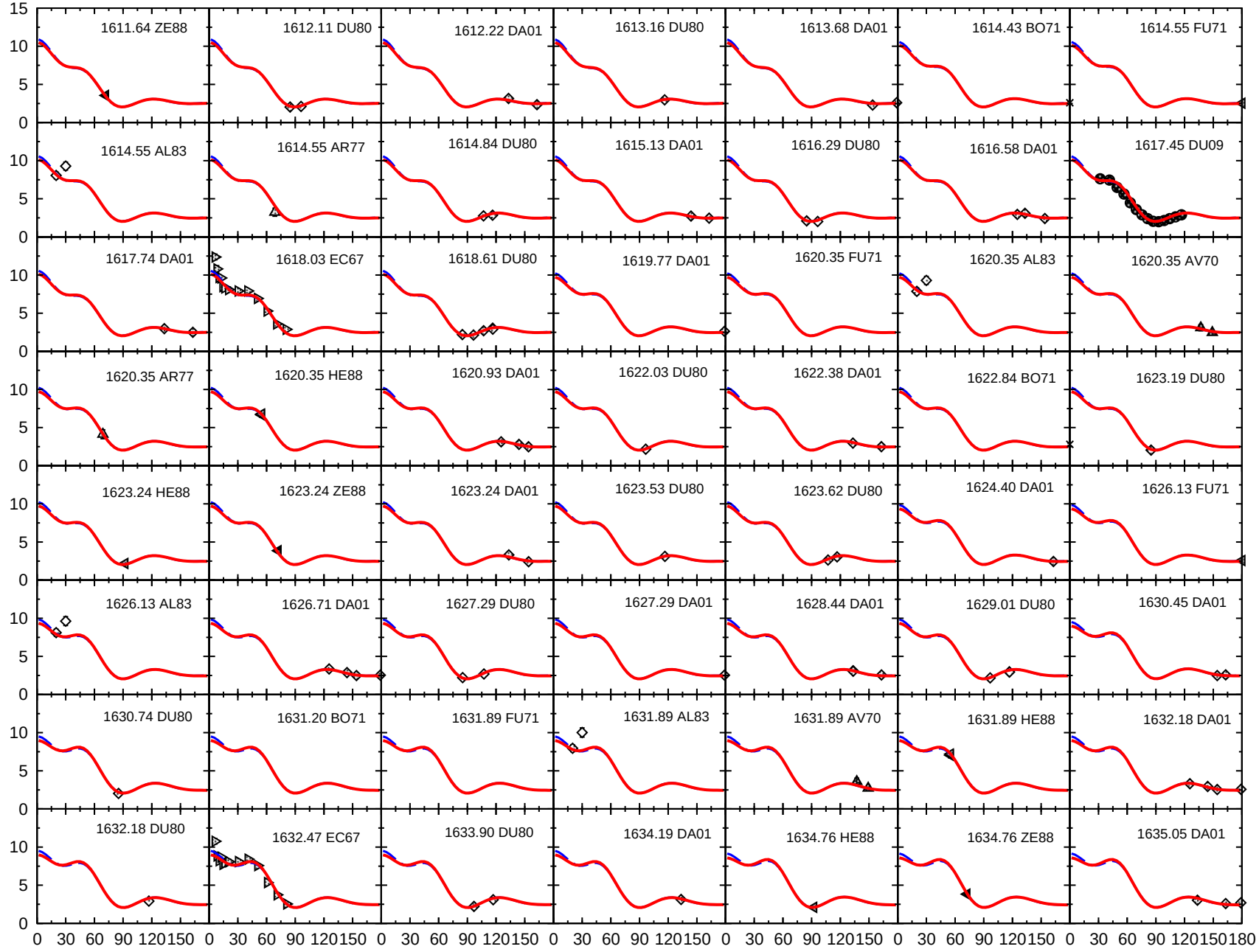
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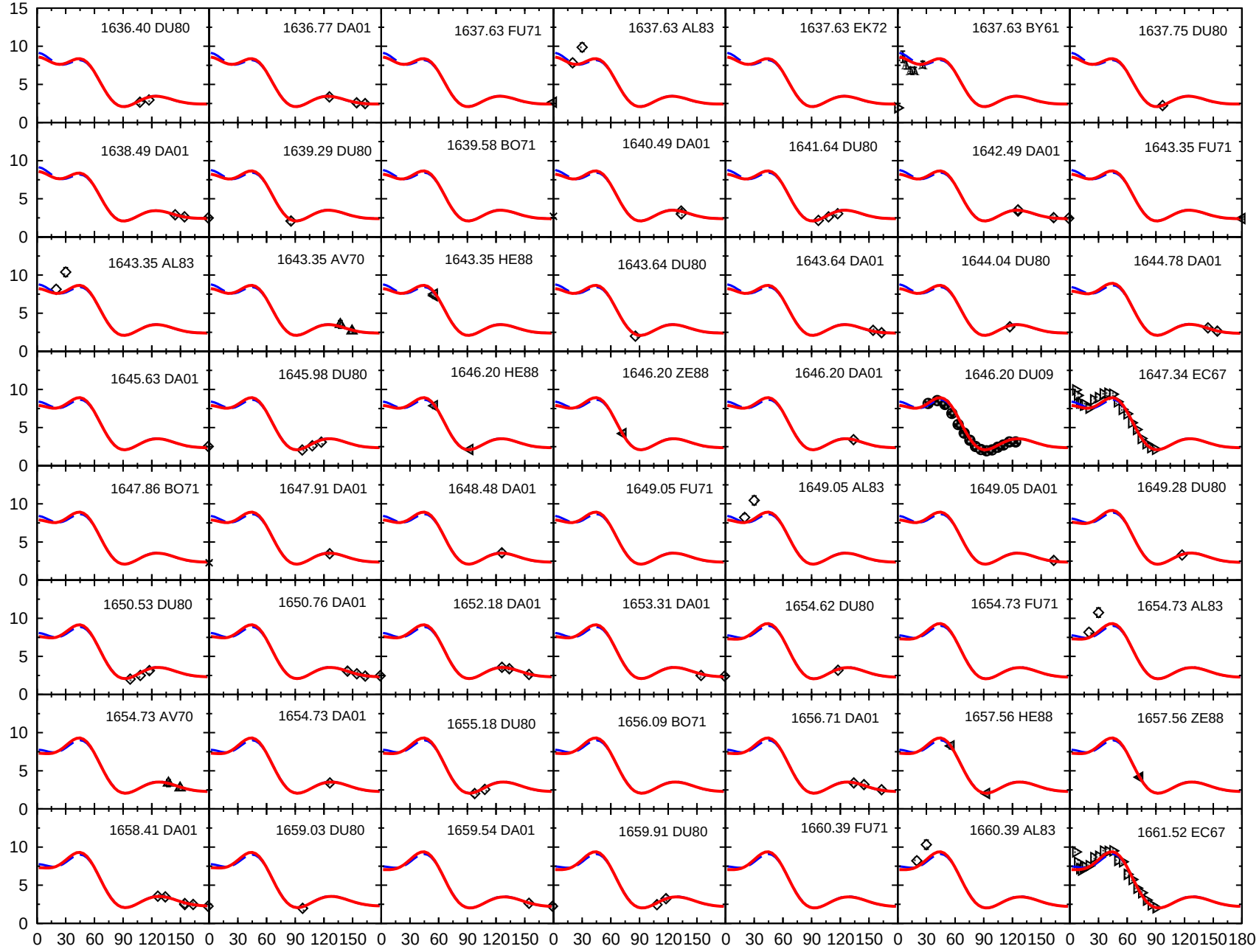
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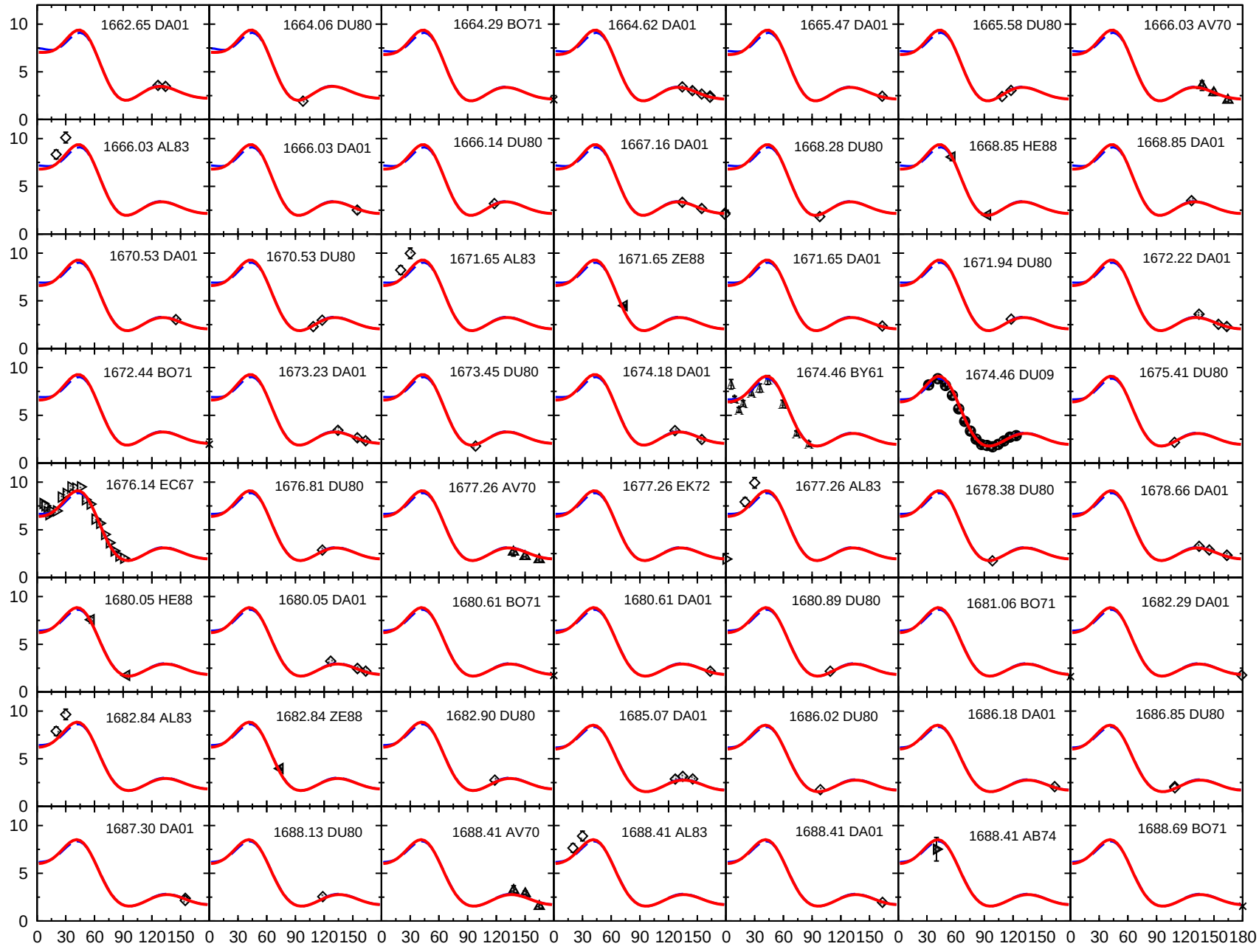
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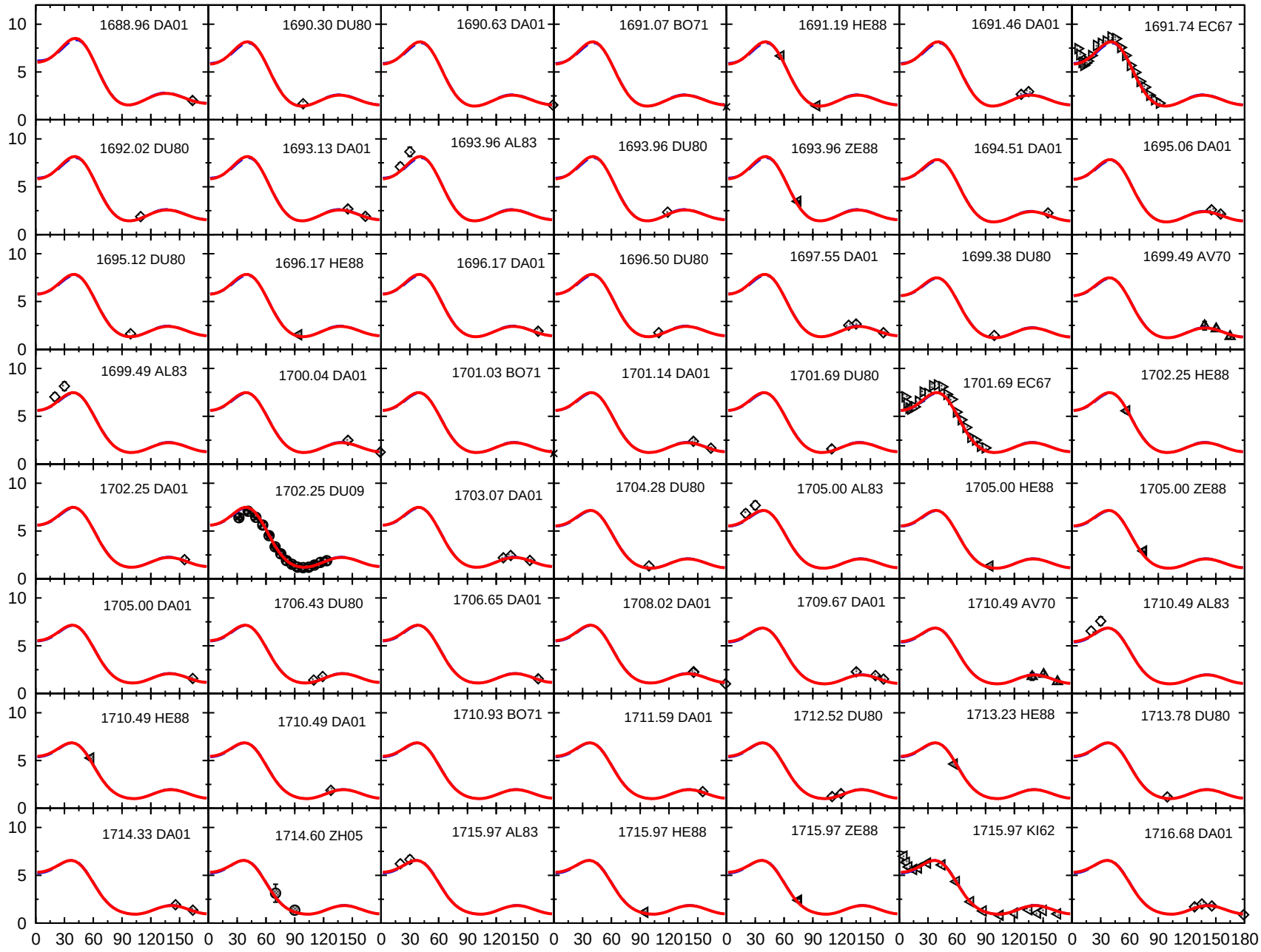
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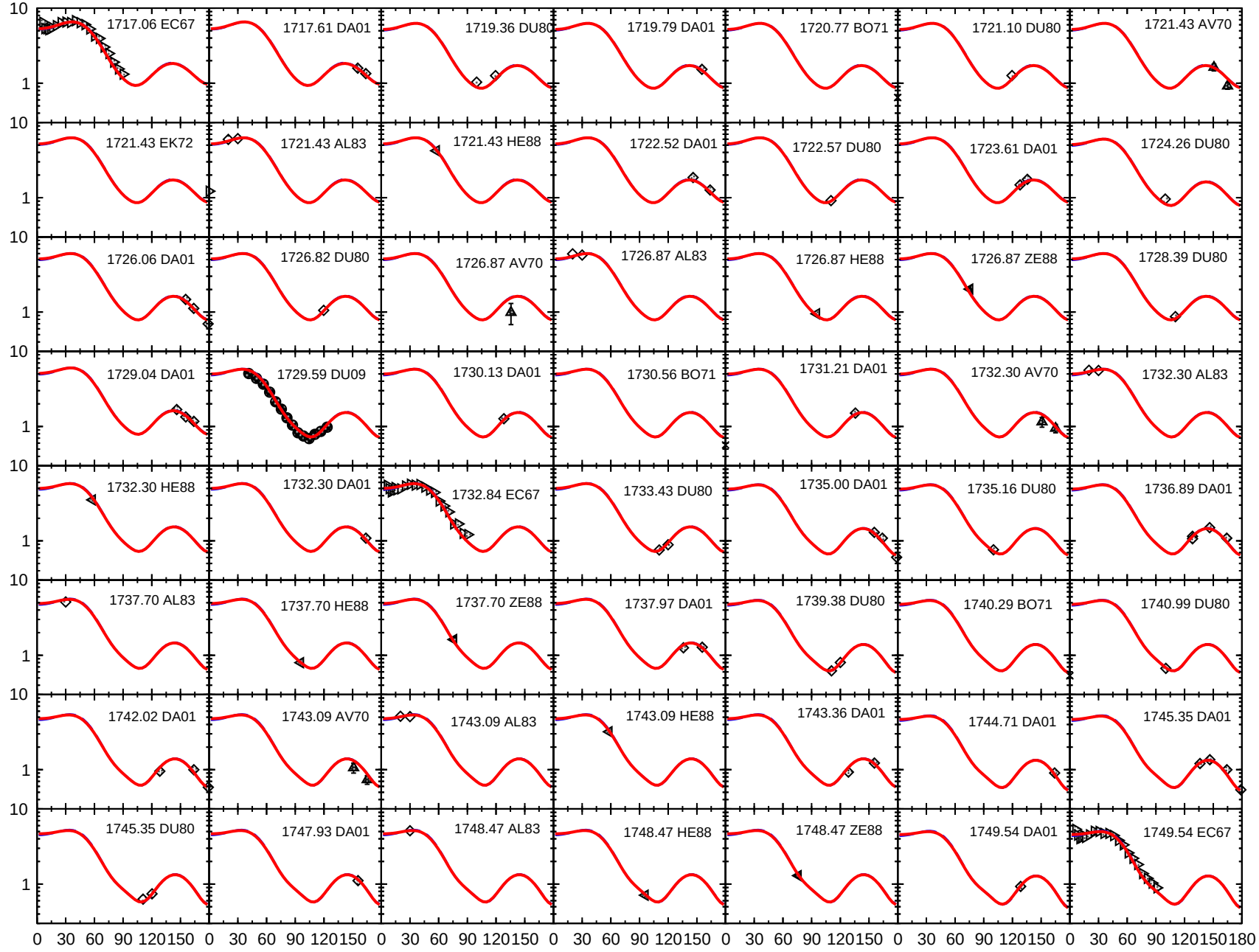
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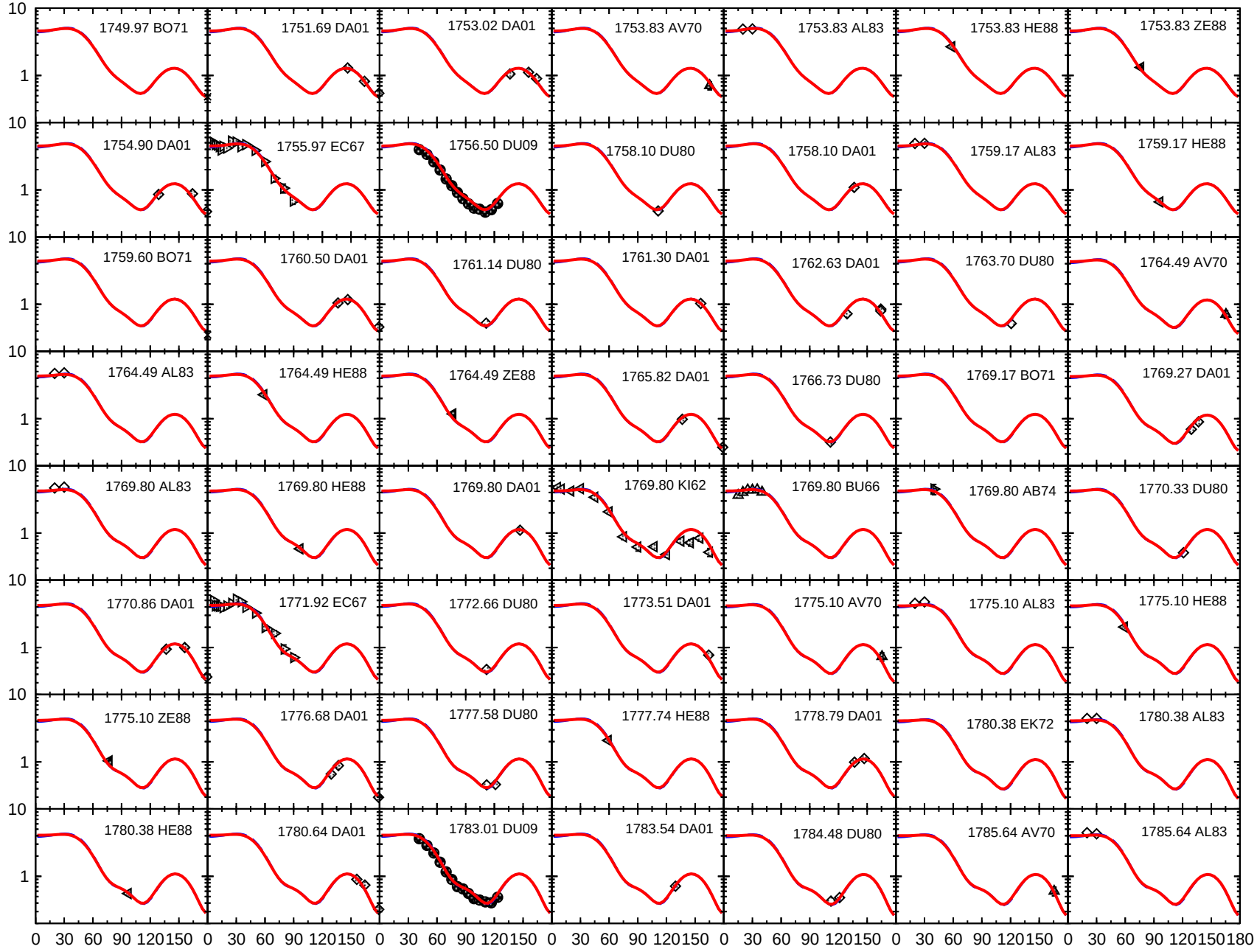
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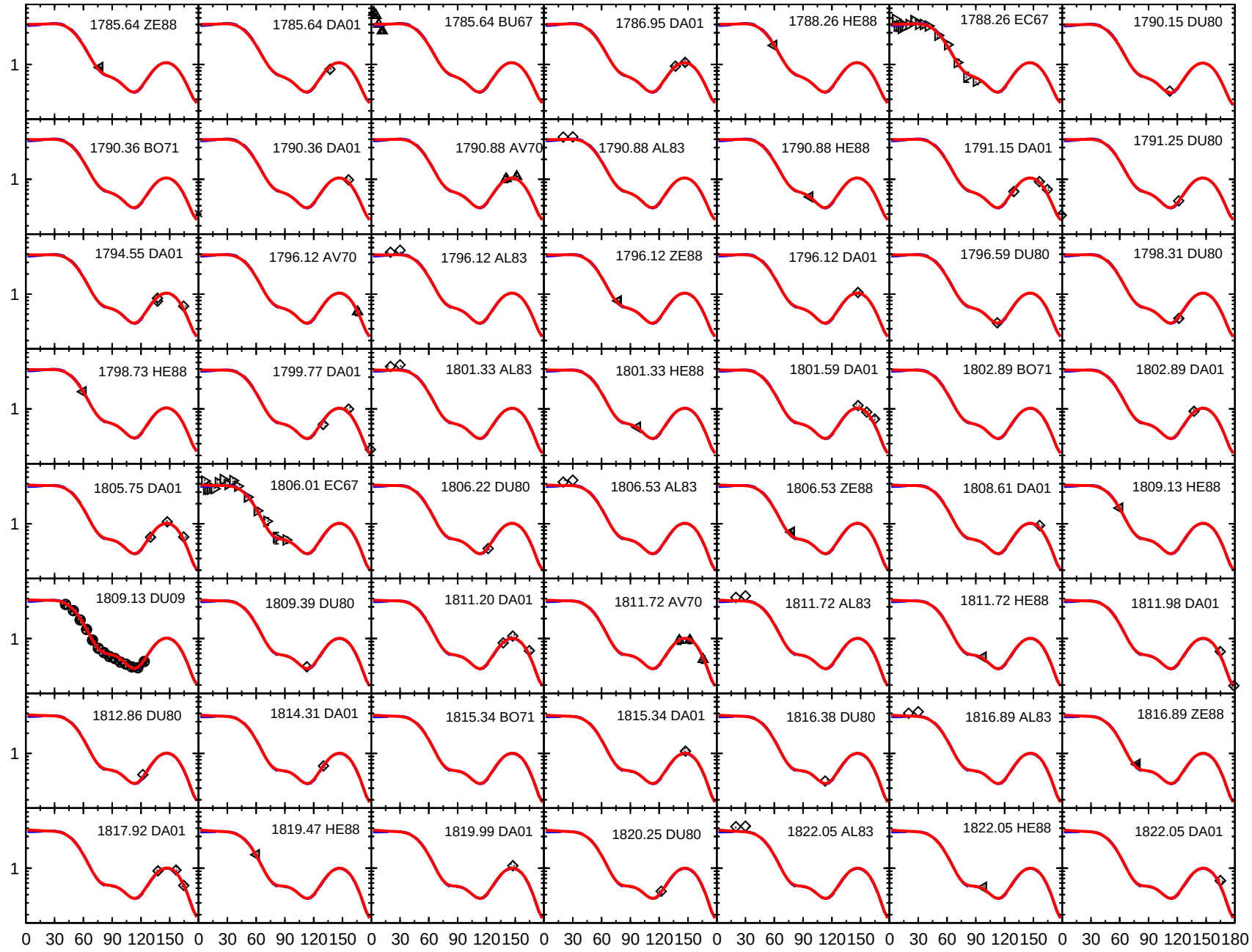
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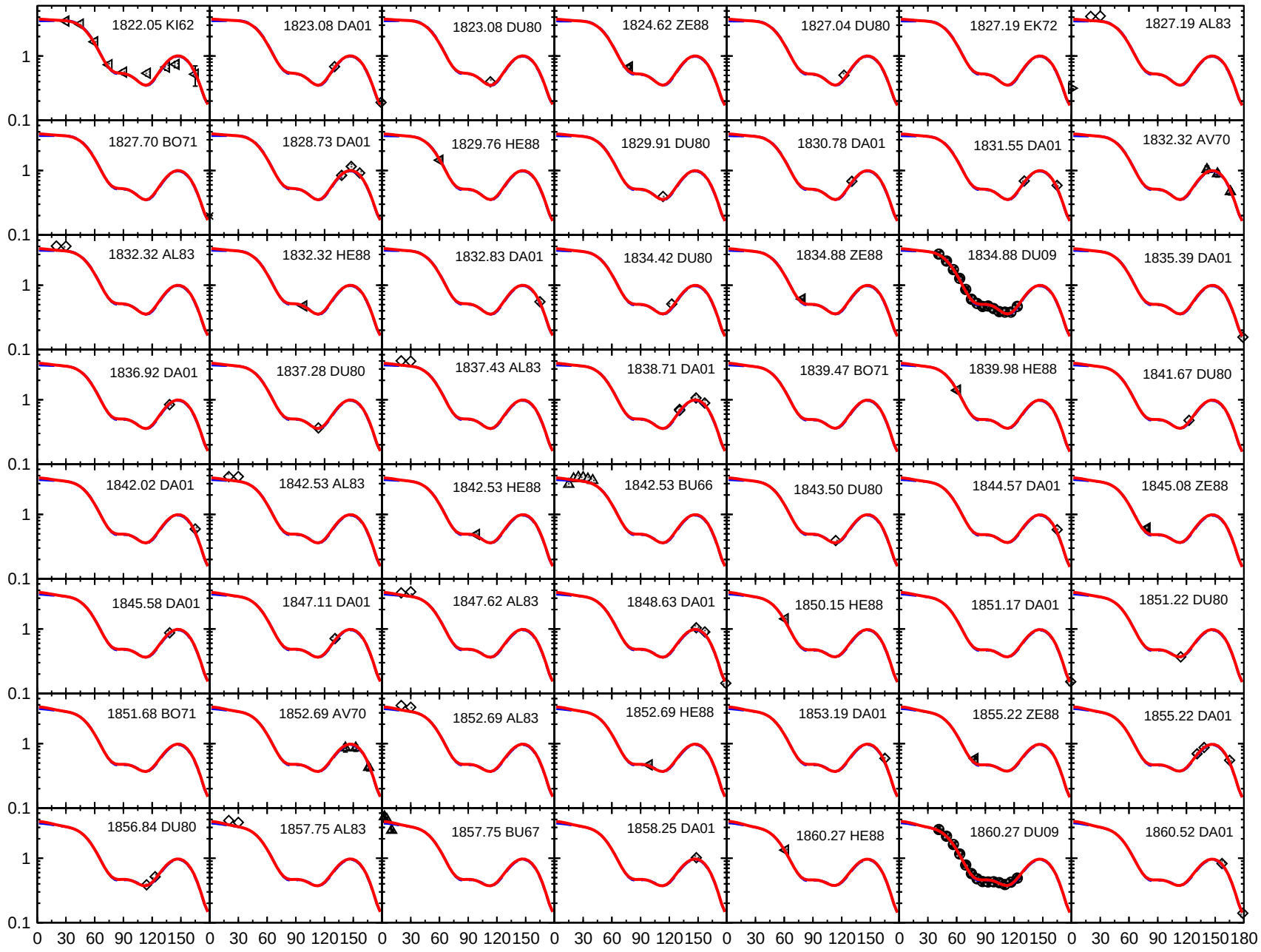
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1845.58 DA01
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1848.63 DA01
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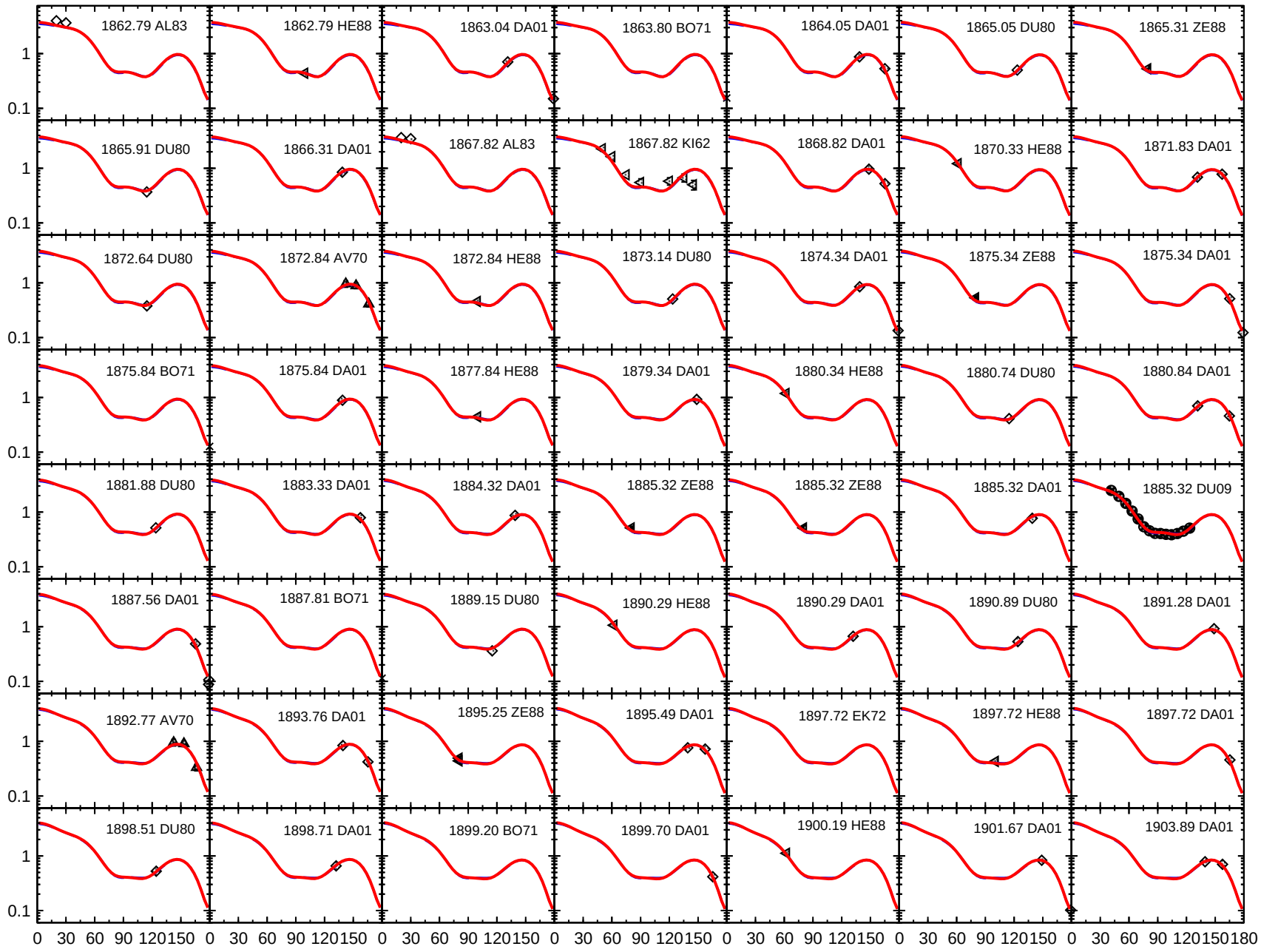
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1875.84 DA01
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1880.84 DA01
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1883.33 DA01
1884.32 DA01
1885.32 ZE88
1885.32 ZE88
1885.32 DA01
1885.32 DU09
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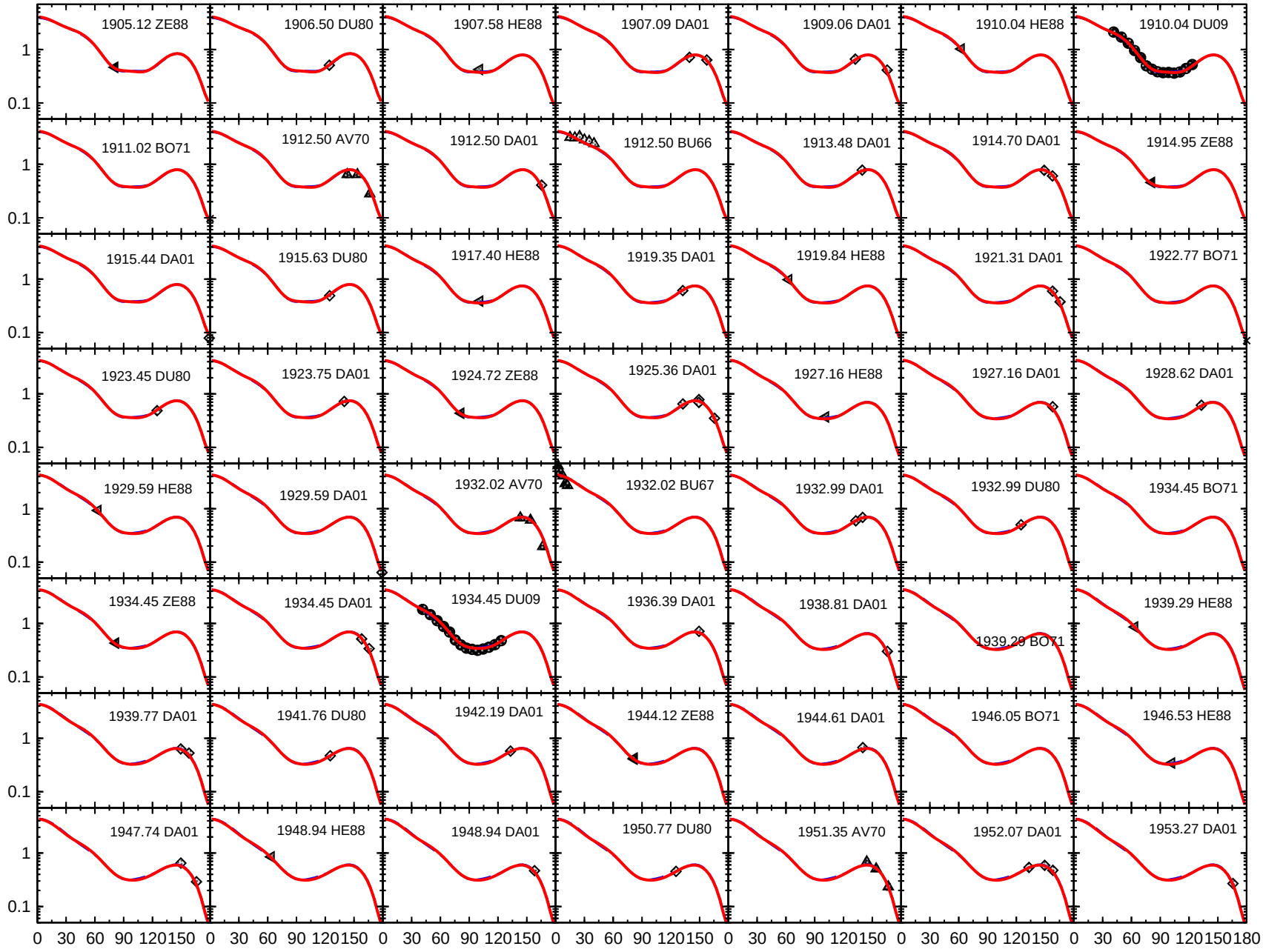
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1921.31 DA01
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1923.75 DA01
1924.72 ZE88
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1927.16 DA01
1928.62 DA01
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1936.39 DA01
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1939.77 DA01
1941.76 DU80
1942.19 DA01
1944.12 ZE88
1944.61 DA01
1946.05 BO71
1946.53 HE88
1947.74 DA01
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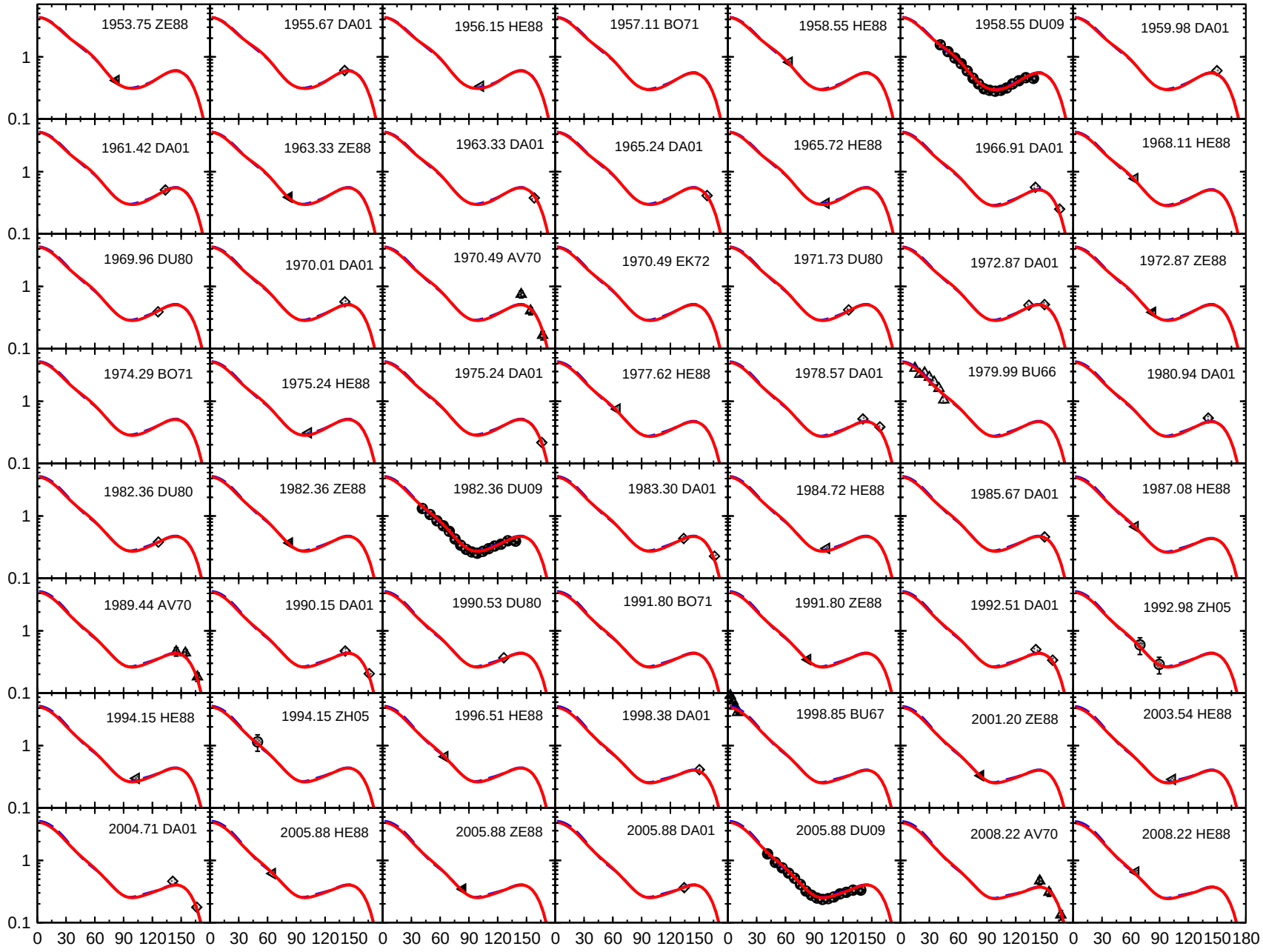
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1984.72 HE88
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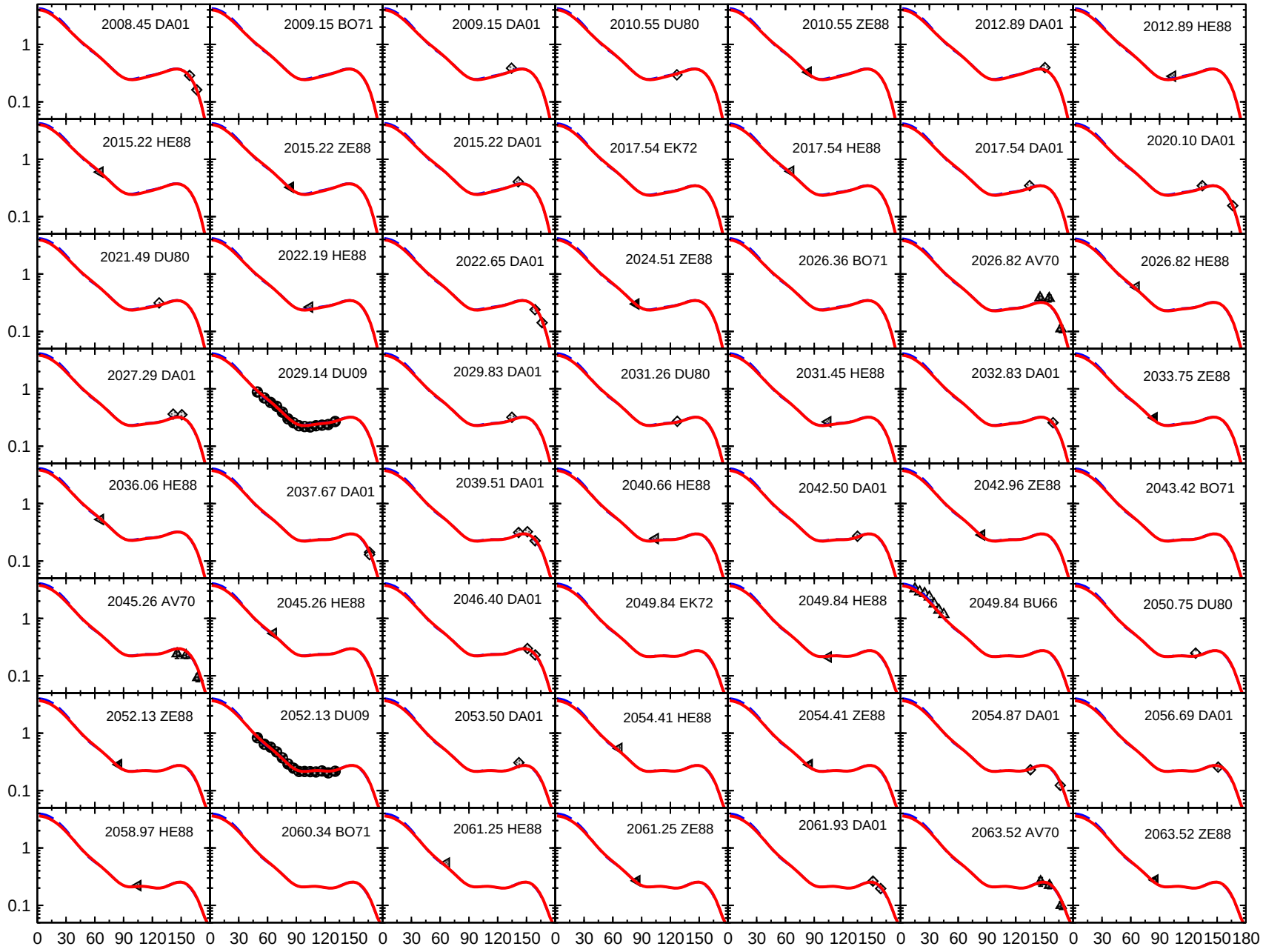
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2015.22 DA01
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2017.54 HE88
2017.54 DA01
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2022.19 HE88
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2024.51 ZE88
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2042.50 DA01
2042.96 ZE88
2043.42 BO71
2045.26 AV70
2045.26 HE88
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2049.84 HE88
2049.84 BU66
2050.75 DU80
2052.13 ZE88
2052.13 DU09
2053.50 DA01
2054.41 HE88
2054.41 ZE88
2054.87 DA01
2056.69 DA01
2058.97 HE88
2060.34 BO71
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2061.93 DA01
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2063.52 ZE88
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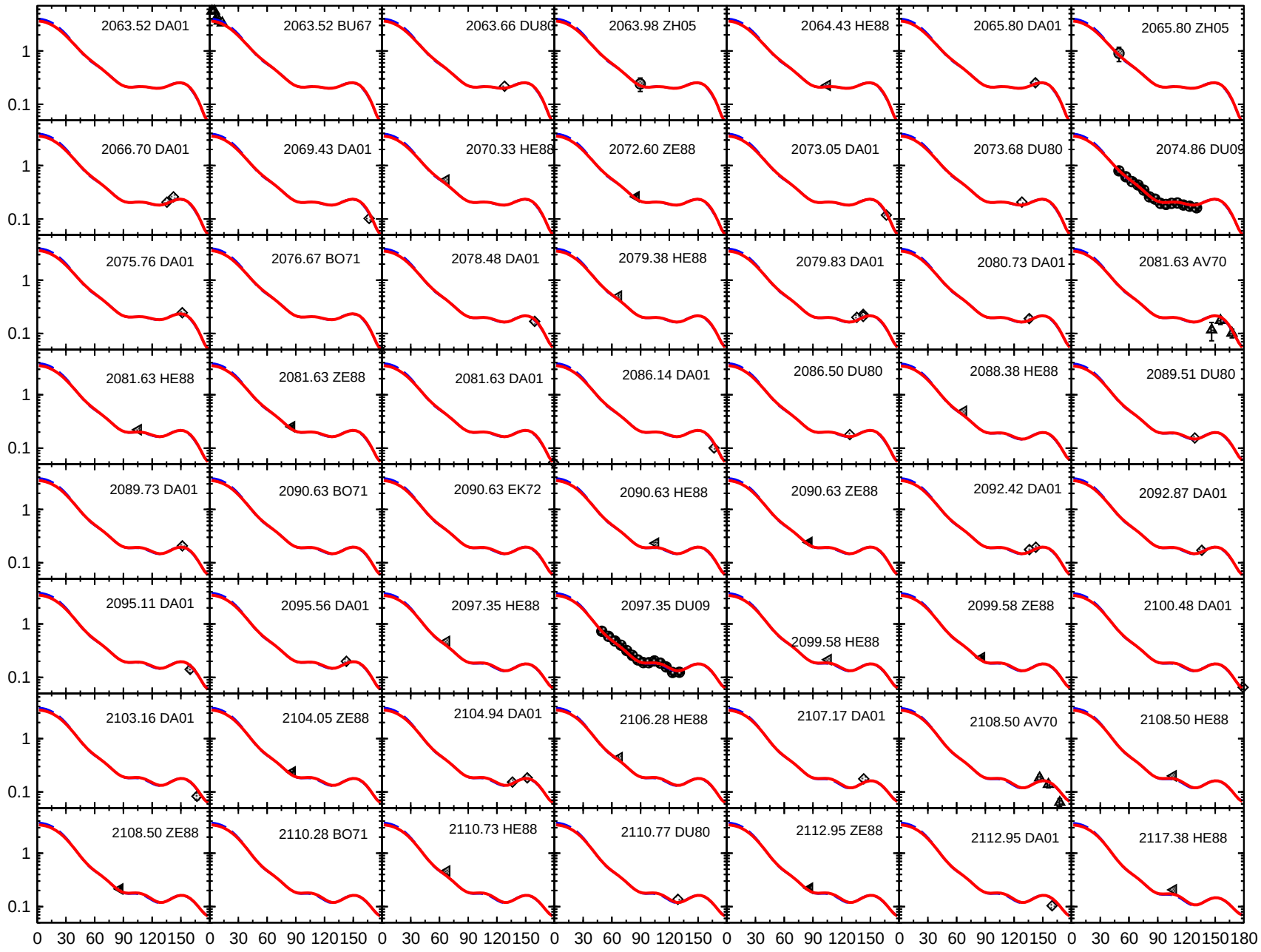
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2070.33 HE88
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2073.05 DA01
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2076.67 BO71
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2086.14 DA01
2086.50 DU80
2088.38 HE88
2089.51 DU80
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2090.63 BO71
2090.63 EK72
2090.63 HE88
2090.63 ZE88
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2092.87 DA01
2095.11 DA01
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2097.35 DU09
2099.58 HE88
2099.58 ZE88
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2104.94 DA01
2106.28 HE88
2107.17 DA01
2108.50 AV70
2108.50 HE88
2108.50 ZE88
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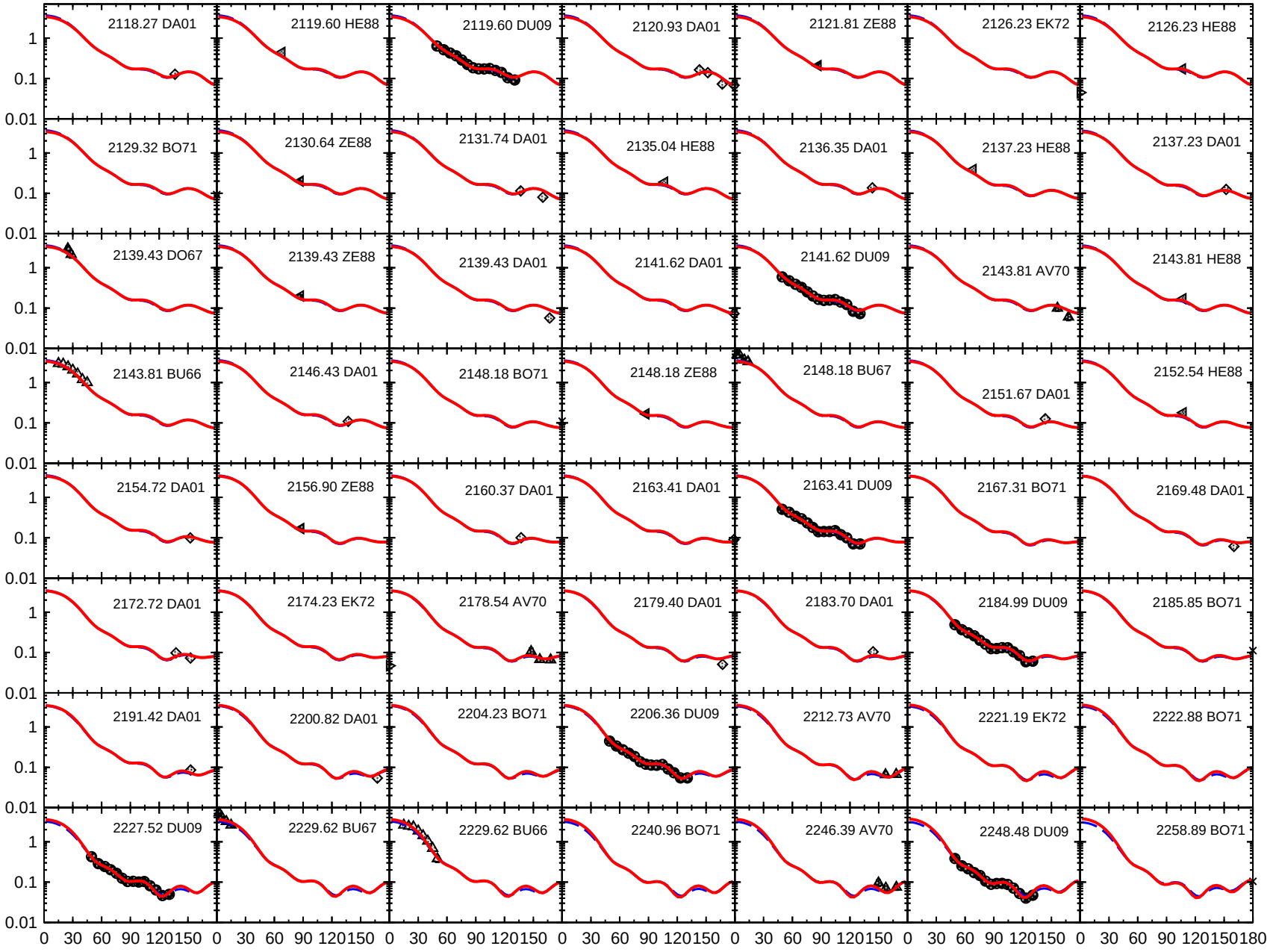
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2130.64 ZE88
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2139.43 DA01
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2143.81 AV70
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2146.43 DA01
2148.18 BO71
2148.18 ZE88
2148.18 BU67
2151.67 DA01
2152.54 HE88
2154.72 DA01
2156.90 ZE88
2160.37 DA01
2163.41 DA01
2163.41 DU09
2167.31 BO71
2169.48 DA01
2172.72 DA01
2174.23 EK72
2178.54 AV70
2179.40 DA01
2183.70 DA01
2184.99 DU09
2185.85 BO71
2191.42 DA01
2200.82 DA01
2204.23 BO71
2206.36 DU09
2212.73 AV70
2221.19 EK72
2222.88 BO71
2227.52 DU09
2229.62 BU67
2229.62 BU66
2240.96 BO71
2246.39 AV70
2248.48 DU09
2258.89 BO71
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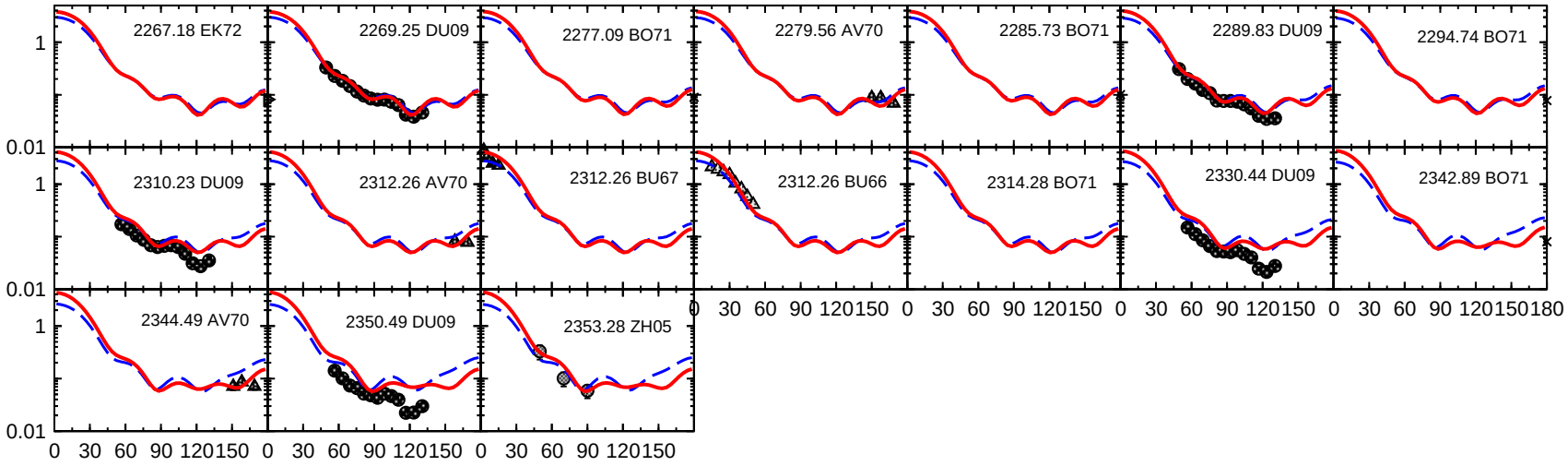
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2277.09 BO71
2279.56 AV70
2285.73 BO71
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2294.74 BO71
2310.23 DU09
2312.26 AV70
2312.26 BU67
2312.26 BU66
2314.28 BO71
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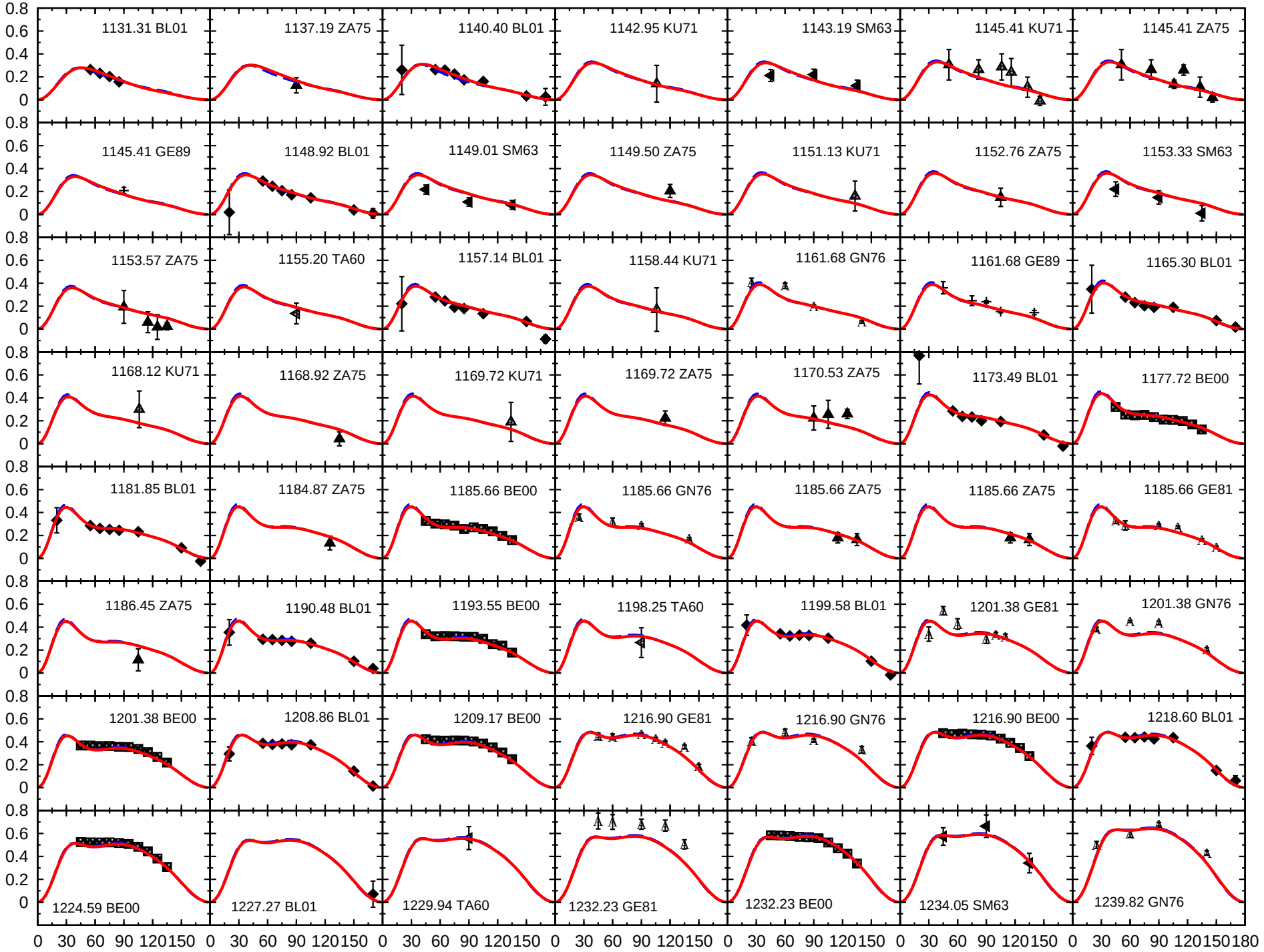
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1148.92 BL01
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1153.57 ZA75
1155.20 TA60
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1185.66 GN76
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1185.66 GE81
1186.45 ZA75
1190.48 BL01
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1208.86 BL01
1209.17 BE00
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1227.27 BL01
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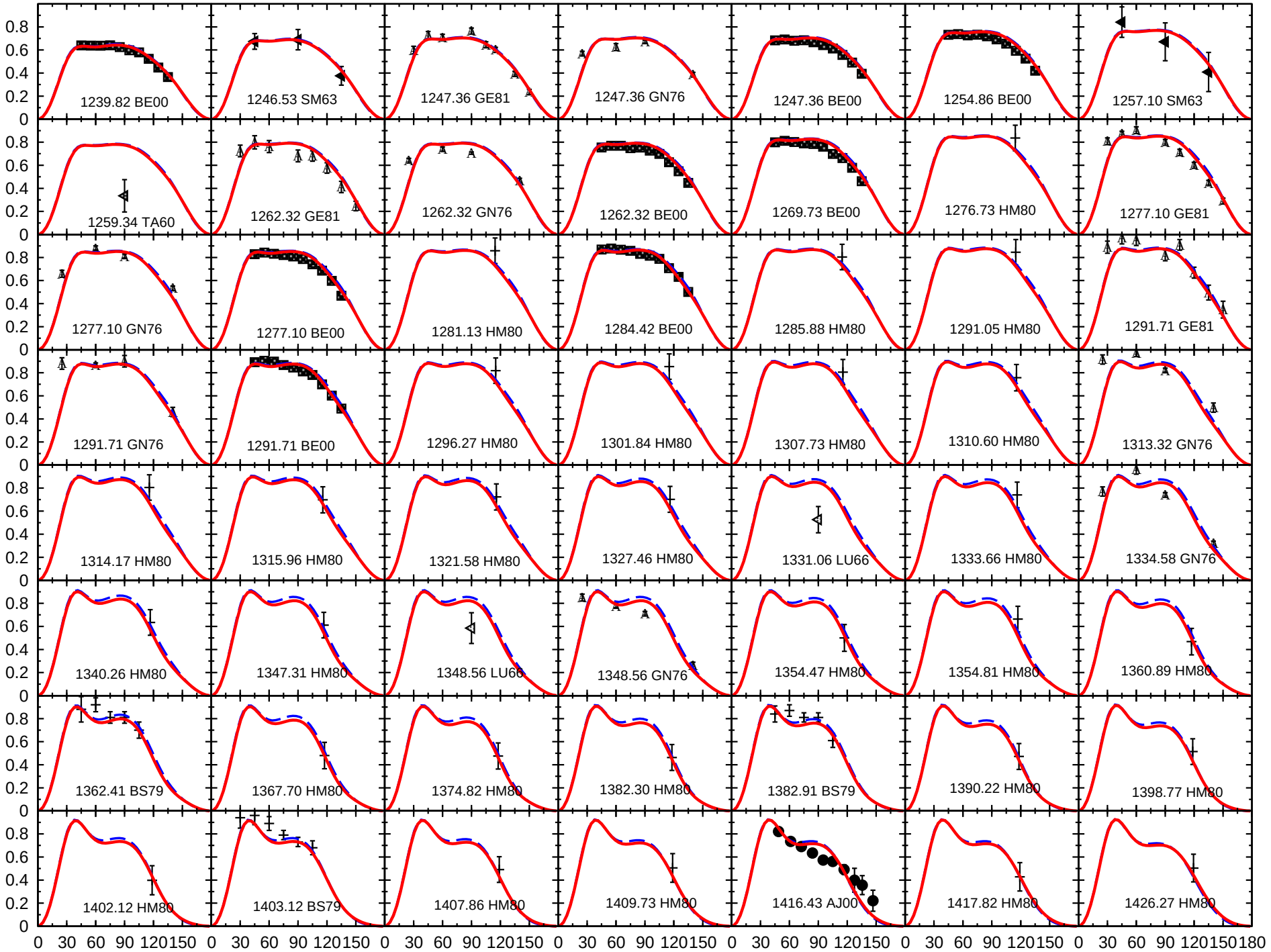
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1247.36 BE00
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1276.73 HM80
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1354.81 HM80
1360.89 HM80
1362.41 BS79
1367.70 HM80
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1382.30 HM80
1382.91 BS79
1390.22 HM80
1398.77 HM80
1402.12 HM80
1403.12 BS79
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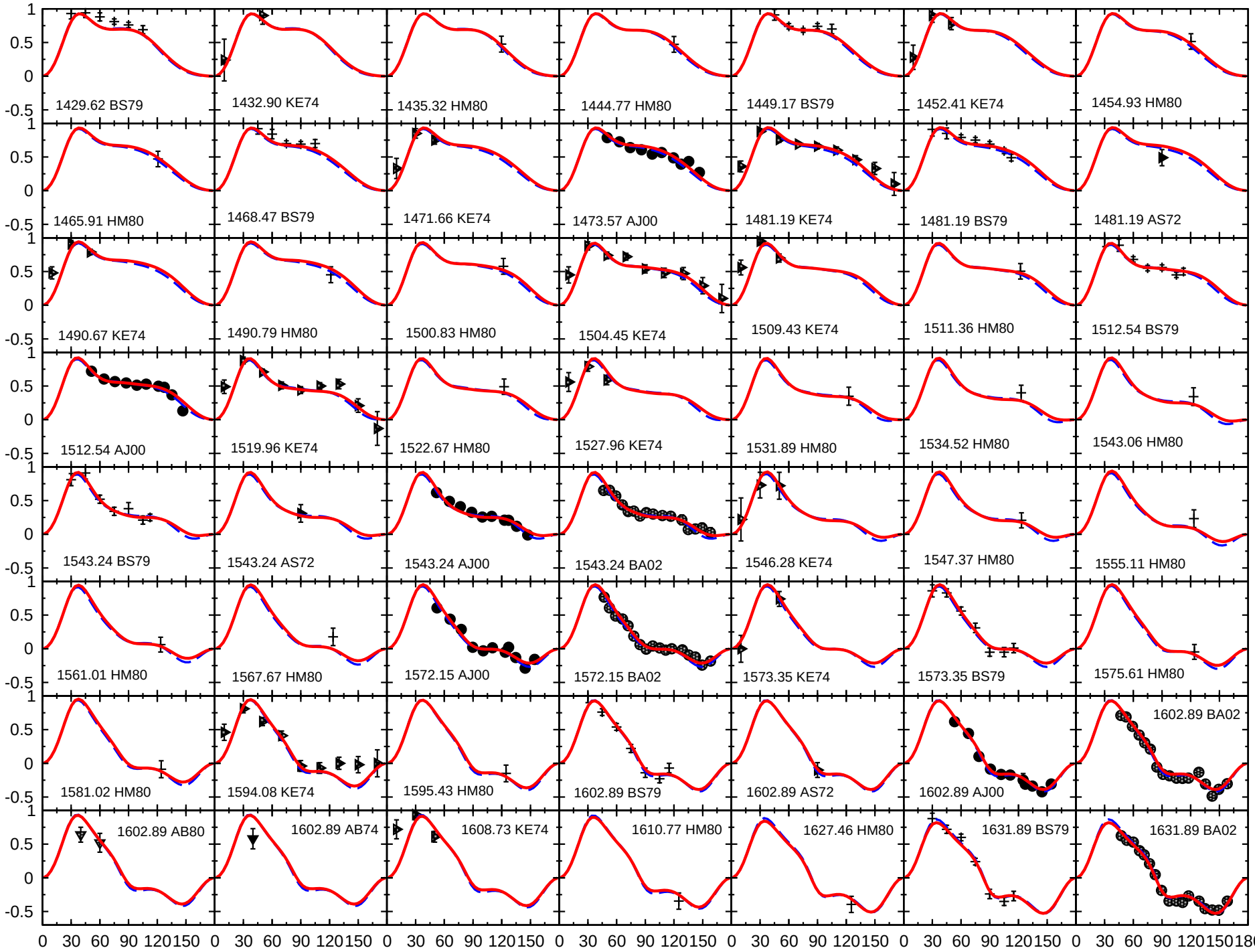
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1509.43 KE74
1511.36 HM80
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1534.52 HM80
1543.06 HM80
1543.24 BS79
1543.24 AS72
1543.24 AJ00
1543.24 BA02
1546.28 KE74
1547.37 HM80
1555.11 HM80
1561.01 HM80
1567.67 HM80
1572.15 AJ00
1572.15 BA02
1573.35 KE74
1573.35 BS79
1575.61 HM80
1581.02 HM80
1594.08 KE74
1595.43 HM80
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1602.89 AS72
1602.89 AJ00
1602.89 BA02
1602.89 AB80
1602.89 AB74
1608.73 KE74
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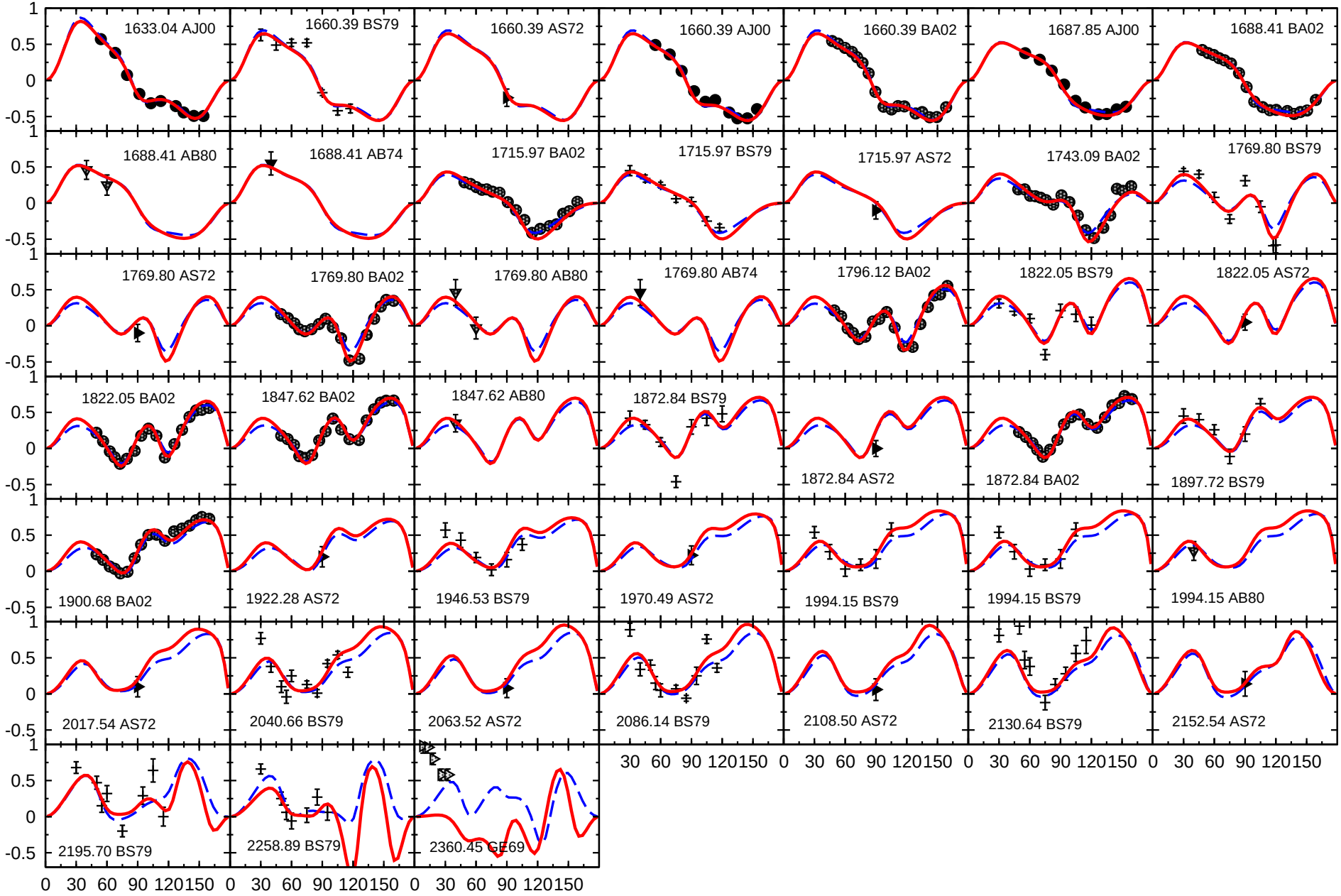
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1660.39 AJ00
1660.39 BA02
1687.85 AJ00
1688.41 BA02
1688.41 AB80
1688.41 AB74
1715.97 BA02
1715.97 BS79
1715.97 AS72
1743.09 BA02
1769.80 BS79
1769.80 AS72
1769.80 BA02
1769.80 AB80
1769.80 AB74
1796.12 BA02
1822.05 BS79
1822.05 AS72
1822.05 BA02
1847.62 BA02
1847.62 AB80
1872.84 BS79
1872.84 AS72
1872.84 BA02
1897.72 BS79
1900.68 BA02
1922.28 AS72
1946.53 BS79
1970.49 AS72
1994.15 BS79
1994.15 BS79
1994.15 AB80
2017.54 AS72
2040.66 BS79
2063.52 AS72
2086.14 BS79
2108.50 AS72
2130.64 BS79
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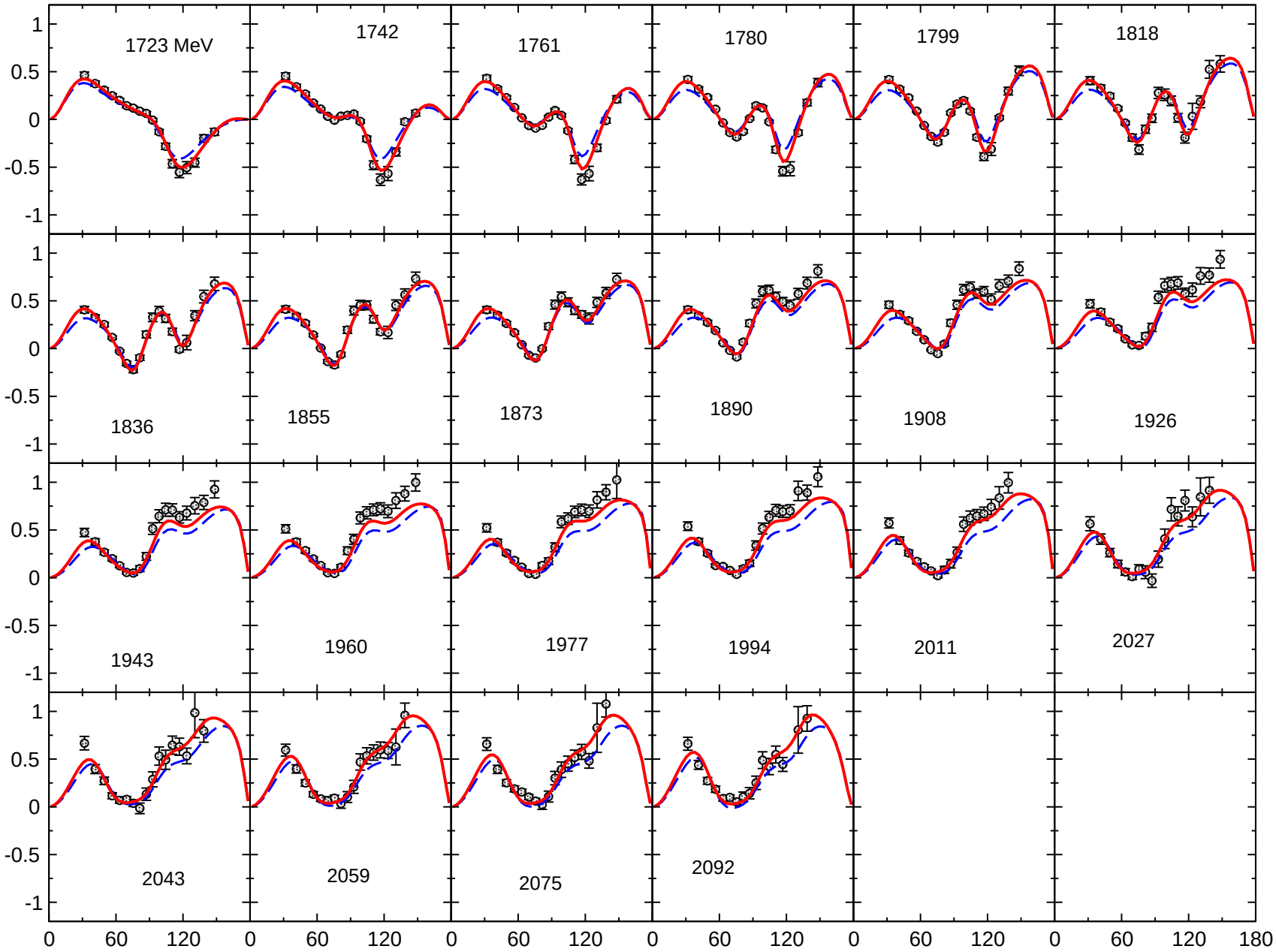
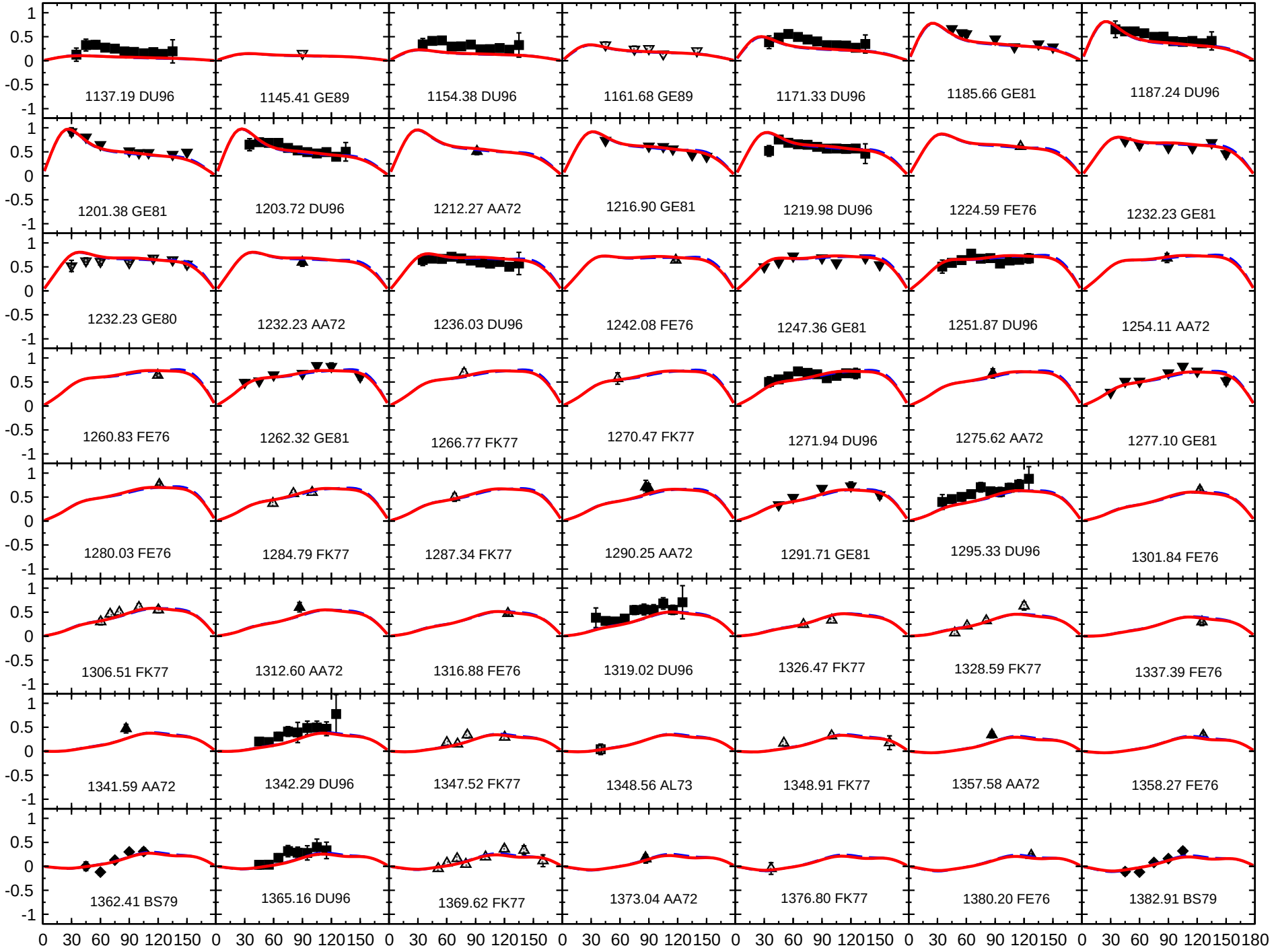


Figure 1: (Predicted) new CLAS data.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1212.27 AA72
1216.90 GE81
1219.98 DU96
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1232.23 GE80
1232.23 AA72
1236.03 DU96
1242.08 FE76
1247.36 GE81
1251.87 DU96
1254.11 AA72
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1262.32 GE81
1266.77 FK77
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1284.79 FK77
1287.34 FK77
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1291.71 GE81
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1301.84 FE76
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1316.88 FE76
1319.02 DU96
1326.47 FK77
1328.59 FK77
1337.39 FE76
1341.59 AA72
1342.29 DU96
1347.52 FK77
1348.56 AL73
1348.91 FK77
1357.58 AA72
1358.27 FE76
1362.41 BS79
1365.16 DU96
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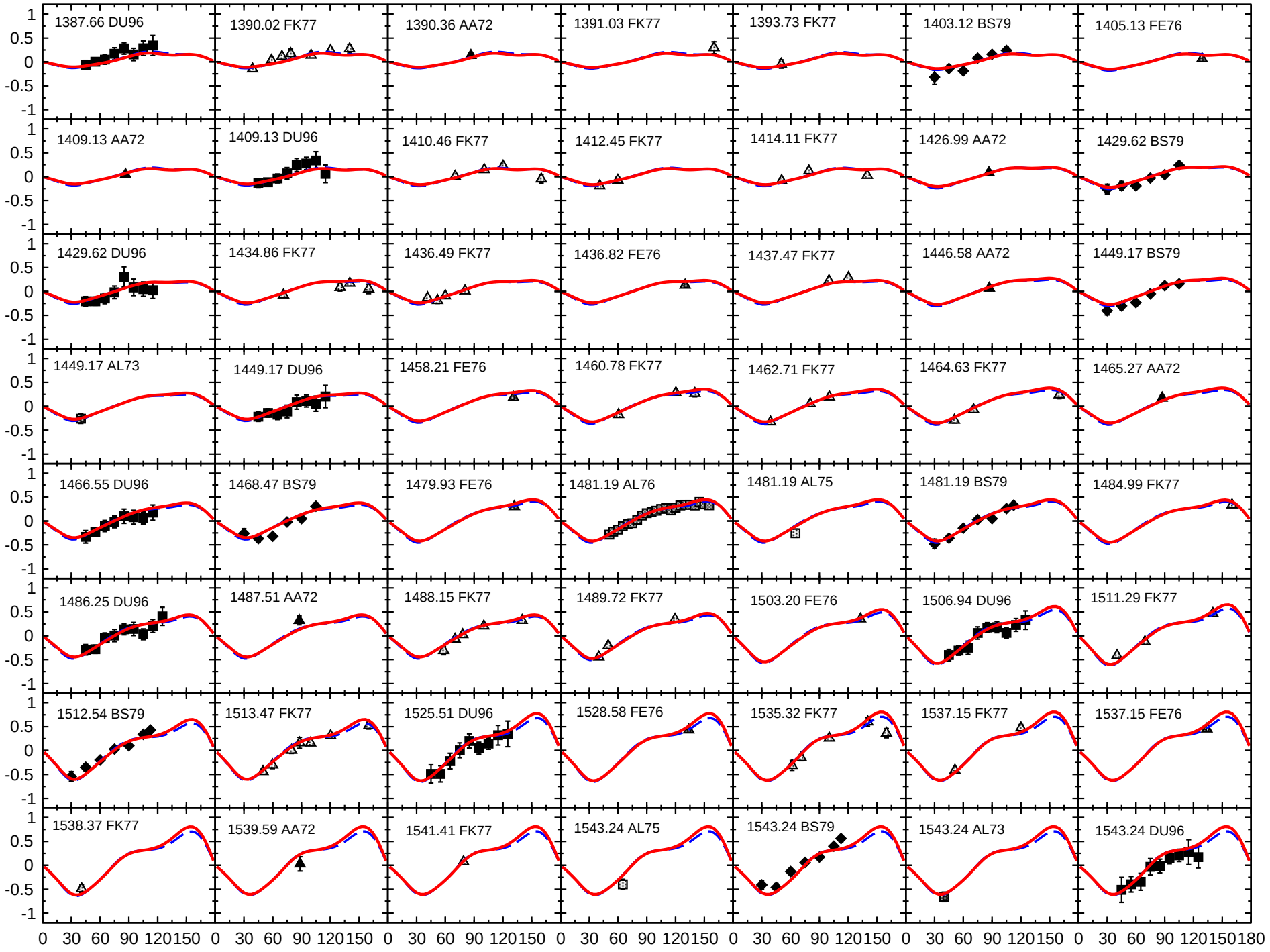
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1409.13 DU96
1410.46 FK77
1412.45 FK77
1414.11 FK77
1426.99 AA72
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1434.86 FK77
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1436.82 FE76
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1449.17 DU96
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1462.71 FK77
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1465.27 AA72
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1479.93 FE76
1481.19 AL76
1481.19 AL75
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1537.15 FE76
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1539.59 AA72
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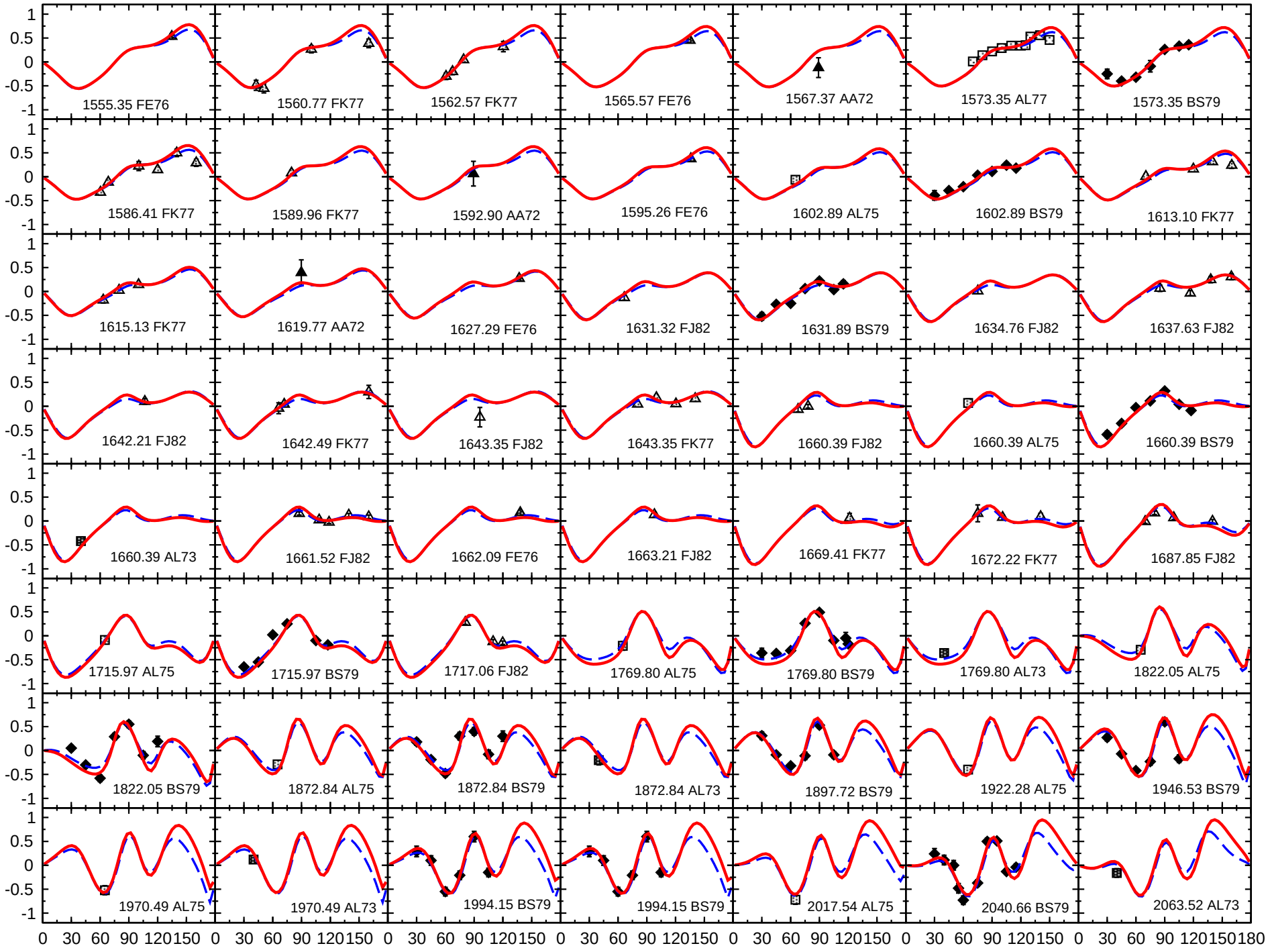
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1589.96 FK77
1592.90 AA72
1595.26 FE76
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1602.89 BS79
1613.10 FK77
1615.13 FK77
1619.77 AA72
1627.29 FE76
1631.32 FJ82
1631.89 BS79
1634.76 FJ82
1637.63 FJ82
1642.21 FJ82
1642.49 FK77
1643.35 FJ82
1643.35 FK77
1660.39 FJ82
1660.39 AL75
1660.39 BS79
1660.39 AL73
1661.52 FJ82
1662.09 FE76
1663.21 FJ82
1669.41 FK77
1672.22 FK77
1687.85 FJ82
1715.97 AL75
1715.97 BS79
1717.06 FJ82
1769.80 AL75
1769.80 BS79
1769.80 AL73
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1822.05 BS79
1872.84 AL75
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1872.84 AL73
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1970.49 AL73
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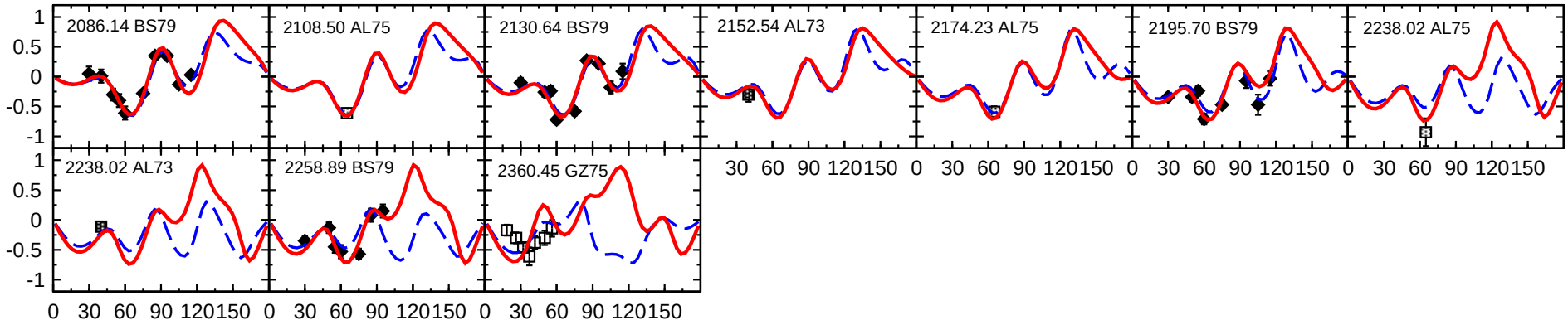
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2174.23 AL75
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2258.89 BS79
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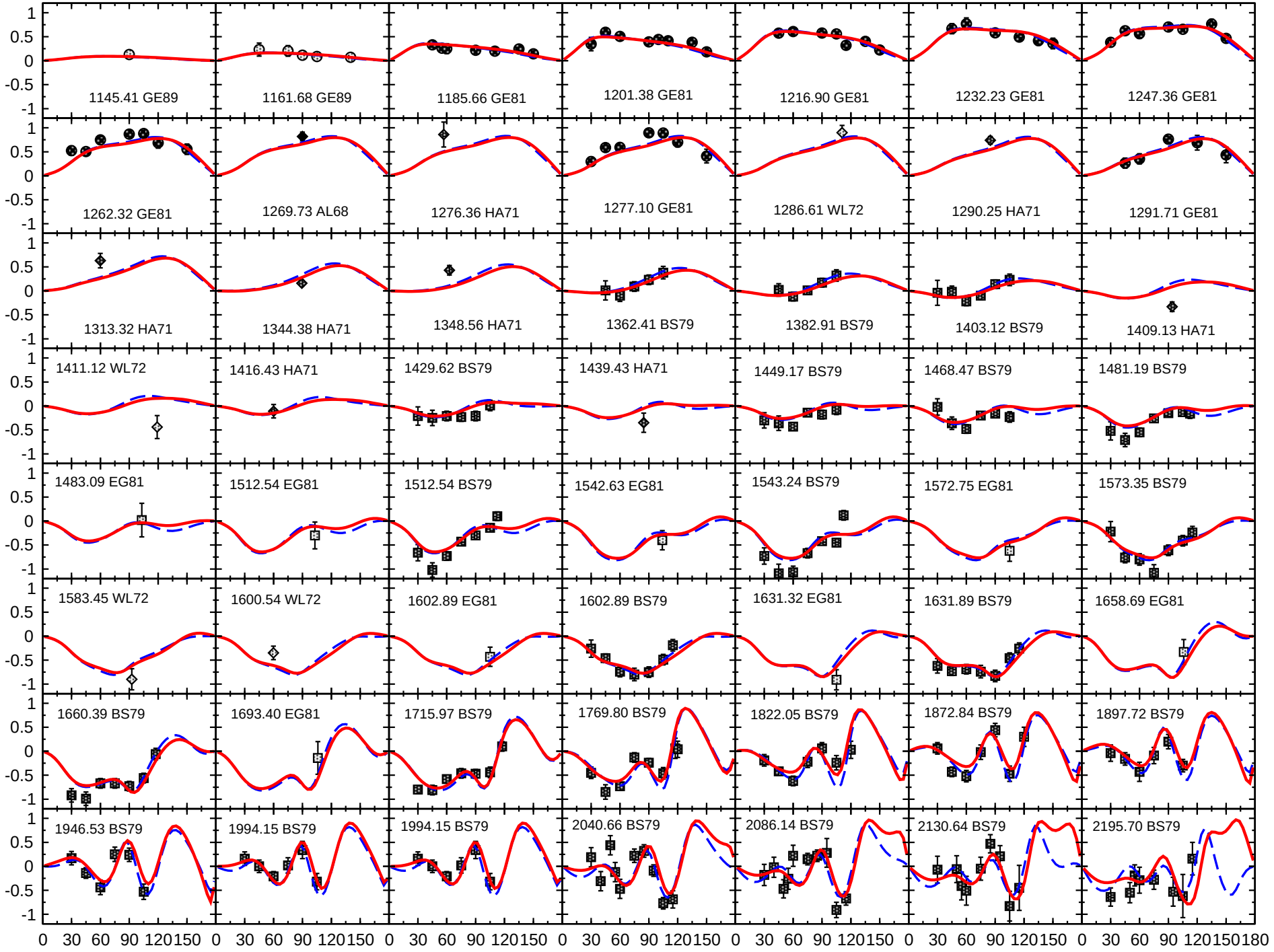
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1276.36 HA71
1277.10 GE81
1286.61 WL72
1290.25 HA71
1291.71 GE81
1313.32 HA71
1344.38 HA71
1348.56 HA71
1362.41 BS79
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1409.13 HA71
1411.12 WL72
1416.43 HA71
1429.62 BS79
1439.43 HA71
1449.17 BS79
1468.47 BS79
1481.19 BS79
1483.09 EG81
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1542.63 EG81
1543.24 BS79
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1602.89 EG81
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1658.69 EG81
1660.39 BS79
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1715.97 BS79
1769.80 BS79
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1872.84 BS79
1897.72 BS79
1946.53 BS79
1994.15 BS79
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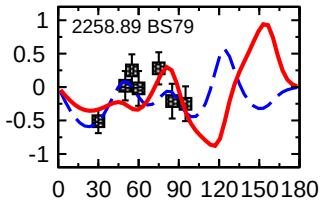
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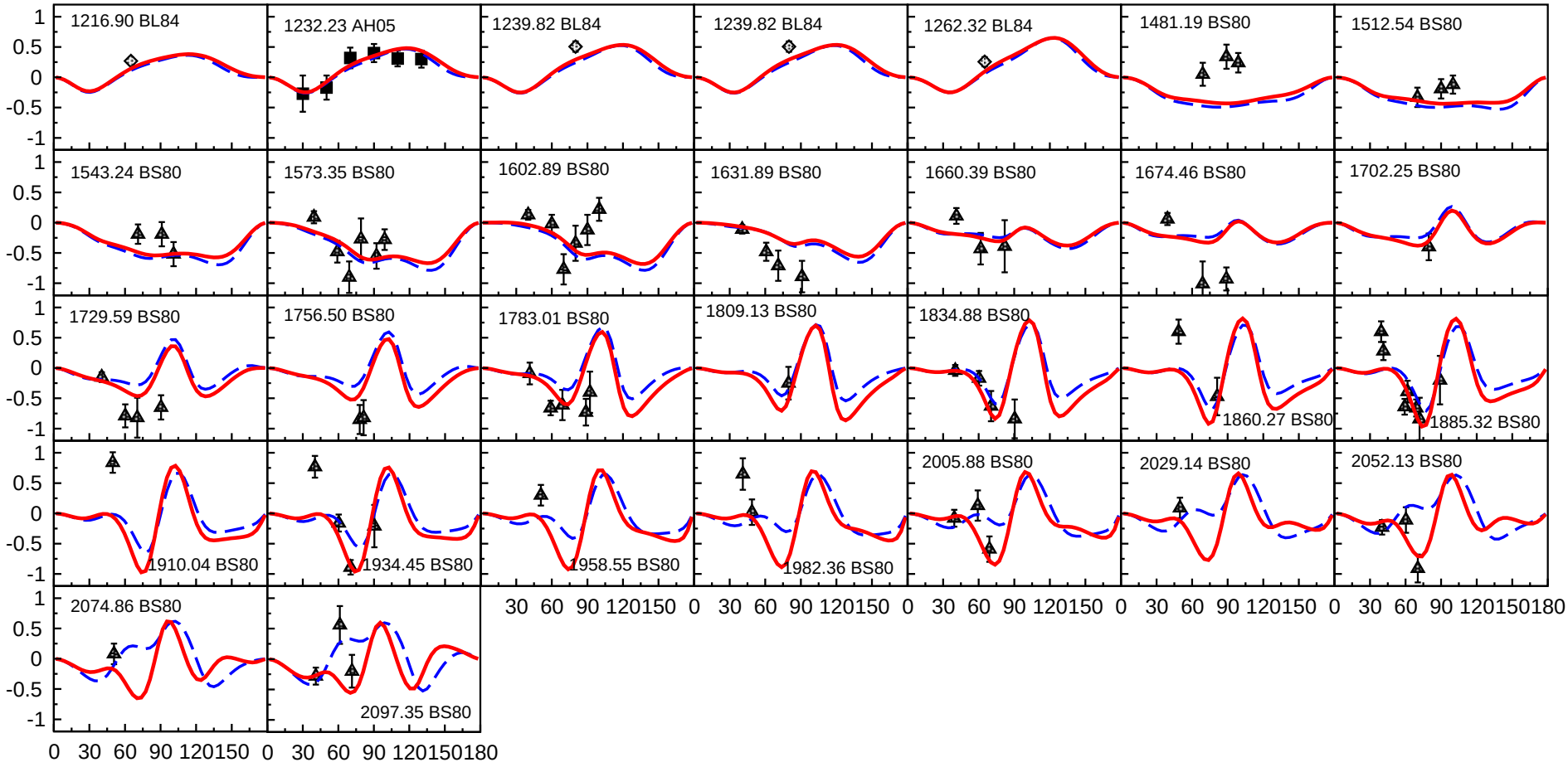
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1239.82 BL84
1262.32 BL84
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1512.54 BS80
1543.24 BS80
1573.35 BS80
1602.89 BS80
1631.89 BS80
1660.39 BS80
1674.46 BS80
1702.25 BS80
1729.59 BS80
1756.50 BS80
1783.01 BS80
1809.13 BS80
1834.88 BS80
1860.27 BS80
1885.32 BS80
1910.04 BS80
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1958.55 BS80
1982.36 BS80
2005.88 BS80
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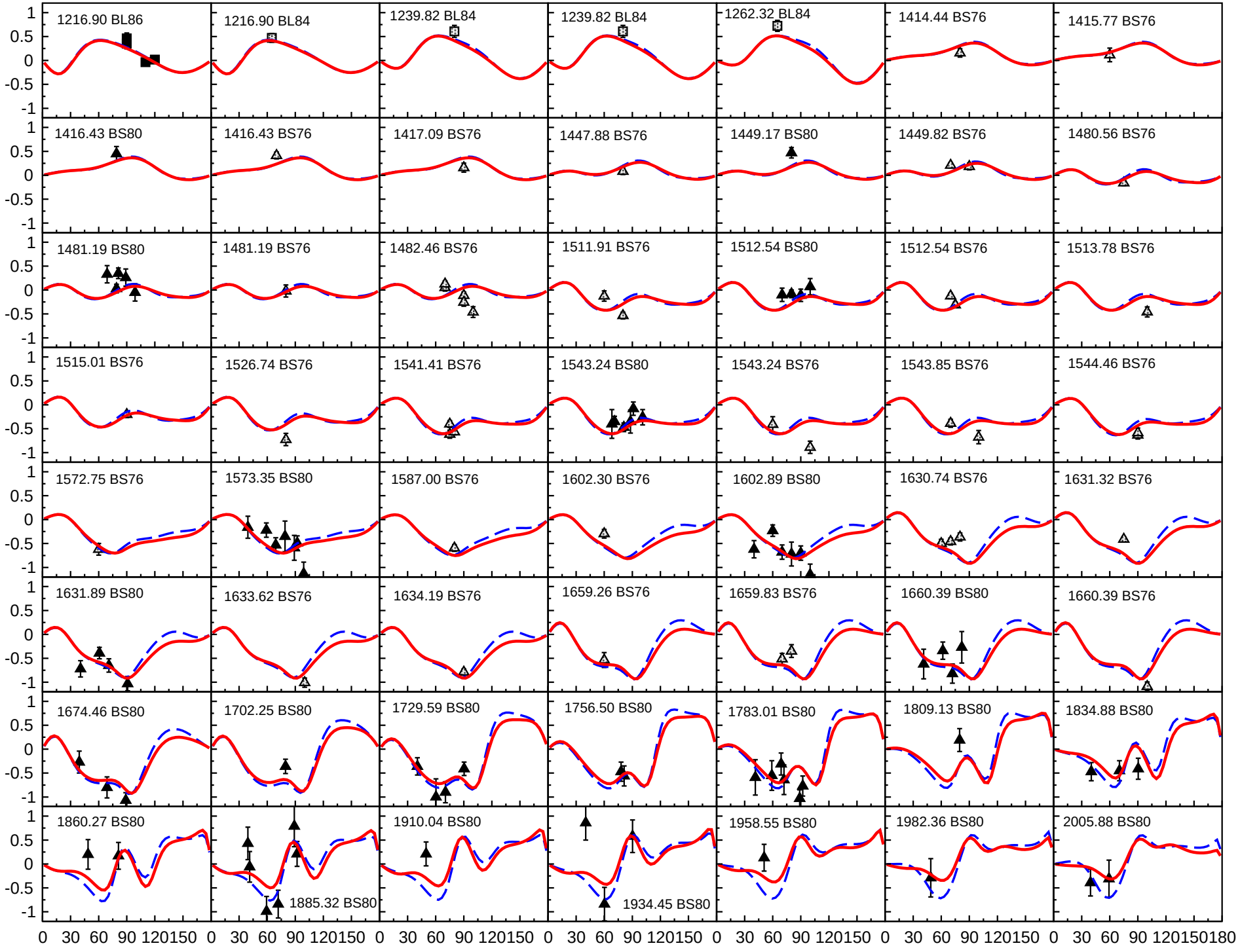
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1416.43 BS76
1417.09 BS76
1447.88 BS76
1449.17 BS80
1449.82 BS76
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1481.19 BS80
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1573.35 BS80
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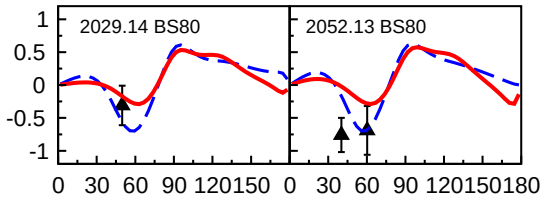
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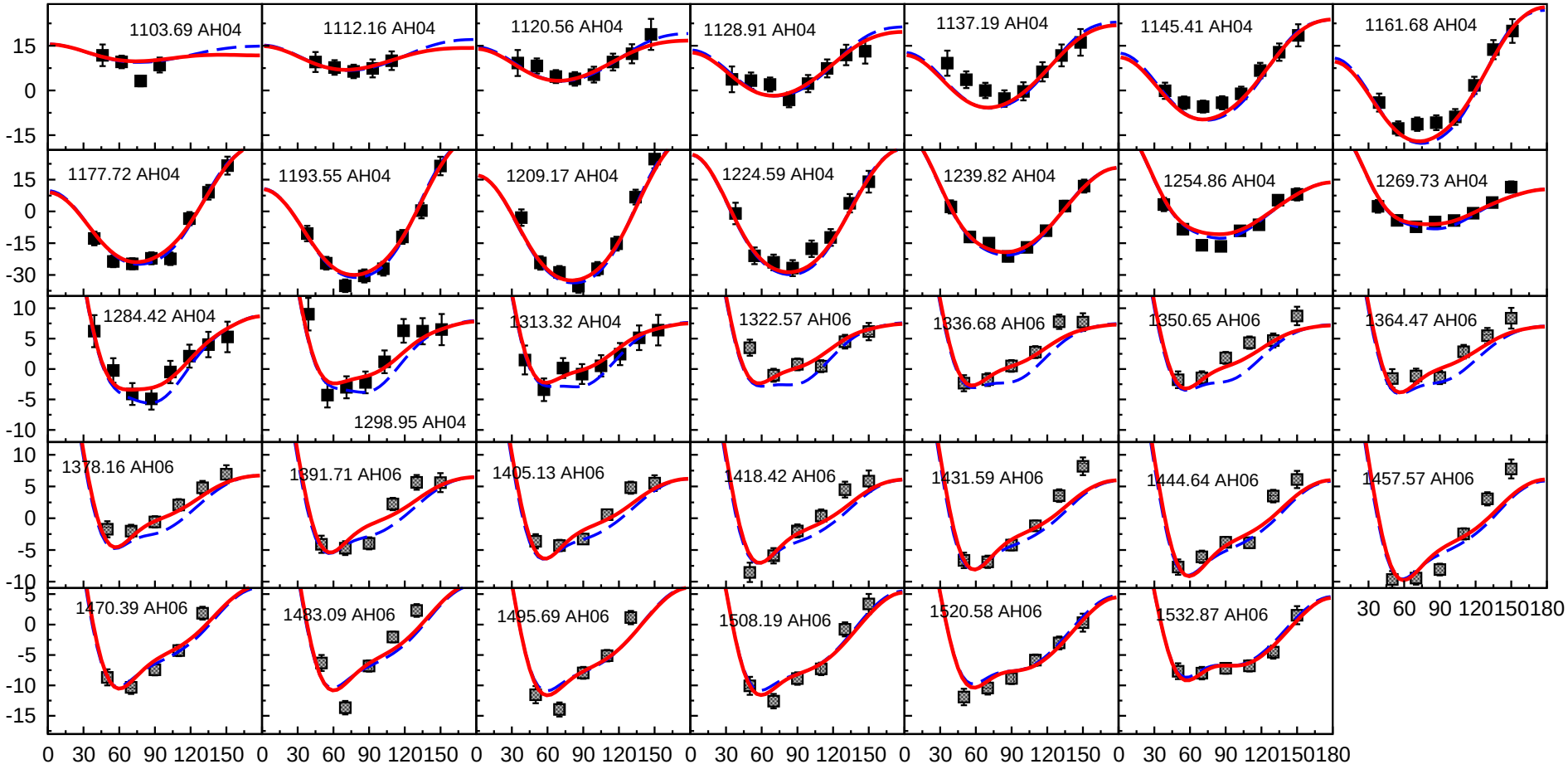
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1532.87 AH06

- Differential cross section $\gamma p \to \pi^+ p$:
  - 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 Σ $\gamma p \to \pi^+ p$:
  - 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 $\gamma p \to \pi^+ p$:
  - 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 $\gamma p \to \pi^+ p$:
  - 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 $\gamma p \to \pi^+ p$:
  - BL(84) KHAR BELYAEV, SJNP40, 83(84)
  - AH(05) MAIN AHRENS, EJPA26, 135(2005)
  - BS(80) DNPL BUSSEY, NPB169, 403(80)
- H $\gamma p \to \pi^+ p$:
  - 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} $\gamma p \to \pi^+ p$:
  - AH(04) MAIN AHRENS, EPJA21, 323(2004)
  - AH(06) MAIN AHRENS, PRC74, 054204 (2006)