

Date: 2012-04-09
To: Distribution
From: S.Babykina
Subject: English translation of Russian journals Yadernaya Fizika (YF)

In order to improve accessibility of Russian publications to non-Russian EXFOR users, addition of English translation is extremely important when it is available. LEXFOR "REFERENCE" also mentions that

"When translations of references exist, these should be included also, for the convenience of users of EXFOR."

However, a lot of English translation information is still missing in the EXFOR library.

Last year I reported English translations of Atomnaya Energiya (AE) for addition to EXFOR entries in WP2011-27. Following Action 33 of the last meeting,

'Provide a list of English translation information of Russian journals (e.g., YF, IZV)', English translations of articles published in "Yadernaya Fizika" (YF) coded in EXFOR REFERENCE have been checked since the last meeting. Originating centres are asked to add English translation to REFERENCE.

The NSR (Nuclear Science References) database maintained by NNDC is useful for the listing, and more than half of English translations were actually found in the database. When the English translation information is not available or questionable (e.g., year of translation), hard copies of the library of "Kurchatov Institute" were checked. Sometimes Naohiko also checked the IAEA Library. My list could be also useful for maintenance of NSR and I have already discussed it with Boris Pritychenko (NNDC).

Until volume 20, the year and month 6 months later than YF (Russian) are printed in the table of contents of SNP (English). Since volume 21, the year and month of the original YF are simply printed in the table of contents. Consequently, (1) the year printed in the table of contents may be earlier than (2) "copyright year" printed in the initial page of each article. (1) is more visible and seen in some library catalogues. Hence it is adopted as the year of publication in my list.

More than half of area A entries has been corrected and submitted in PRELIM.A077.

| ENTRY | REFERENCE CODE | ENGLISH TRANSLATION | REMARK |
|---------------|----------------------------|------------------------|--------|
| Area 3 | | | |
| 32213 | J, YF, 61, (9), 1562, 1998 | J, PAN, 61, 1452, 1998 | |
| Area 4 | | | |
| 40009 | J, YF, 5, (6), 1175, 1967 | J, SNP, 5, 839, 1967 | |
| 40040 | J, YF, 1, (3), 443, 1965 | J, SNP, 1, 316, 1965 | |
| 40041 | J, YF, 11, (1), 33, 1970 | J, SNP, 11, 17, 1970 | |
| 40053 | J, YF, 11, (5), 934, 1970 | J, SNP, 11, 519, 1970 | |

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| 40057 | J, YF, 12, (3), 474, 1970 | J, SNP, 12, 259, 1971 | |
| 40080 | J, YF, 12, (6), 1121, 1970 | J, SNP, 12, 614, 1971 | |
| 40084 | J, YF, 12, (2), 260, 1970 | J, SNP, 12, 142, 1971 | |
| 40085 | J, YF, 4, (5), 985, 1966 | J, SNP, 4, 706, 1967 | |
| 40088 | J, YF, 15, (1), 10, 1972 | J, SNP, 15, 5, 1972 | |
| 40103 | J, YF, 14, (6), 1123, 1971 | J, SNP, 14, 625, 1972 | |
| 40106 | J, YF, 16, (3), 475, 1972 | J, SNP, 16, 266, 1973 | |
| 40107 | J, YF, 15, (6), 1099, 1972 | J, SNP, 15, 608, 1972 | |
| 40112 | J, YF, 14, (5), 935, 1971 | J, SNP, 14, 523, 1972 | |
| 40113 | J, YF, 8, 639, 1968 | J, SNP, 8, 371, 1969 | Error in reference, SNP code was reported as YF |
| 40116 | J, YF, 14, (5), 909, 1971 | J, SNP, 14, 509, 1972 | |
| 40117 | J, YF, 15, (6), 1093, 1972 | J, SNP, 15, 605, 1972 | |
| 40118 | J, YF, 15, (4), 625, 1972 | J, SNP, 15, 347, 1972 | Author:Grochev -> Groshev |
| 40123 | J, YF, 13, (5), 1039, 1971 | J, SNP, 13, 596, 1971 | |
| 40124 | J, YF, 13, (5), 950, 1971 | J, SNP, 13, 547, 1971 | Year:1970->1971 |
| 40125 | J, YF, 15, (1), 29, 1972 | J, SNP, 15, 17, 1972 | |
| 40144 | J, YF, 13, (3), 484, 1971 | J, SNP, 13, 272, 1971 | |
| 40146 | J, YF, 13, (4), 681, 1971 | J, SNP, 13, 387, 1971 | |
| 40150 | J, YF, 17, (1), 24, 1973 | J, SNP, 17, 12, 1973 | |
| 40155 | J, YF, 16, (5), 916, 1972 | J, SNP, 16, 505, 1973 | |
| 40165 | J, YF, 9, 897, 1969 | J, SNP, 9, 523, 1969 | |
| 40166 | J, YF, 16, (4), 664, 1972 | J, SNP, 16, 372, 1973 | |
| 40169 | J, YF, 7, (2), 274, 1968 | J, SNP, 7, 189, 1968 | |
| 40171 | J, YF, 14, (4), 682, 1971 | J, SNP, 14, 383, 1972 | |
| 40172 | J, YF, 11, (2), 297, 1970 | J, SNP, 11, 166, 1970 | Author:KUZ MINOV -> Kuzminov |
| 40175 | J, YF, 6, (1), 11, 1967 | J, SNP, 6, 7, 1968 | Must be deleted, Revised data were reported in 40227 |
| 40176 | J, YF, 15, (1), 22, 1972 J, YF, 11, 501, 1970 | J, SNP, 15, 12, 1972 J, SNP, 11, 281, 1970 | |
| 40182 | J, YF, 13, (6), 1129, 1971 | J, SNP, 13, 647, 1971 | |
| 40186 | J, YF, 13, (2), 233, 1971 | J, SNP, 13, 129, 1971 | |
| 40187 | J, YF, 15, (1), 3, 1972 | J, SNP, 15, 1, 1972 | Author:GAMALIJ-> Gamalii |
| 40188 | J, YF, 17, (4), 692, 1973 | J, SNP, 17, 360, 1973 | |
| 40196 | J, YF, 14, (1), 14, 1971 | J, SNP, 14, 8, 1972 | Error in year for YF |
| 40200 | J, YF, 16, (4), 649, 1972 | J, SNP, 16, 364, 1973 | |
| 40201 | J, YF, 19, (1), 50, 1974 | J, SNP, 19, 25, 1974 | |
| 40203 | J, YF, 18, (4), 724, 1973 | J, SNP, 18, 371, 1974 | Author:DAKOVSKIJ-> Dakovskii, LASAREV-> Lazarev, OGANESJAN->Oganesyan |
| 40208 | J, YF, 8, (5), 852, 1968 | J, SNP, 8, 495, 1969 | Author: MURADJAN-> |

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| | | | Muradyan |
| 40212 | J, YF, 7, (4), 745, 1968 | J, SNP, 7, 454, 1968 | |
| 40222 | J, YF, 19, 5, 1974 | J, SNP, 19, 2, 1974 | |
| 40223 | J, YF, 8, (1), 7, 1968 | J, SNP, 8, 4, 1969 | |
| 40224 | J, YF, 7, (5), 937, 1968 | J, SNP, 7, 563, 1968 | |
| 40226 | J, YF, 10, (1), 44, 1969 | J, SNP, 10, 25, 1970 | |
| 40228 | J, YF, 10, (3), 488, 1969 | J, SNP, 10, 280, 1970 | |
| 40229 | J, YF, 9, (5), 933, 1969 | J, SNP, 9, 546, 1969 | |
| 40232 | J, YF, 18, (6), 1145, 1973 | J, SNP, 18, 589, 1974 | |
| 40233 | J, YF, 9, (5), 940, 1969 | J, SNP, 9, 551, 1969 | |
| 40234 | J, YF, 7, (1), 36, 1968 | J, SNP, 7, 27, 1968 | |
| 40235 | J, YF, 8, (2), 286, 1968 | J, SNP, 8, 165, 1969 | |
| 40236 | J, YF, 8, (6), 1067, 1968 | J, SNP, 8, 619, 1969 | |
| 40237 | J, YF, 10, (4), 681, 1969 | J, SNP, 10, 392, 1970 | |
| 40240 | J, YF, 10, (3), 491, 1969 | J, SNP, 10, 282, 1970 | |
| 40254 | J, YF, 22, (4), 674, 1975 | J, SNP, 22, 348, 1975 | Second Reference |
| 40274 | J, YF, 20, 1092, 1974 | J, SNP, 20, 572, 1975 | |
| 40275 | J, YF, 19, (6), 1201, 1974 | J, SNP, 19, 613, 1974 | |
| 40276 | J, YF, 22, (4), 674, 1975 | J, SNP, 22, 348, 1975 | Main Reference |
| 40277 | J, YF, 12, (1), 35, 1970 | J, SNP, 12, 19, 1971 | |
| 40281 | J, YF, 19, (5), 954, 1974 | J, SNP, 19, 489, 1974 | Author: KUZ MINOV -> Kuzminov |
| 40282 | J, YF, 19, (6), 1216, 1974 | J, SNP, 19, 621, 1974 | Author: JACHENKO-> Dyachenko |
| 40283 | J, YF, 14, (6), 1129, 1971 | J, SNP, 14, 629, 1972 | |
| 40285 | J, YF, 11, (6), 1152, 1970 | J, SNP, 11, 639, 1970 | |
| 40287 | J, YF, 19, (6), 1190, 1974 | J, SNP, 19, 608, 1974 | |
| 40288 | J, YF, 15, (4), 662, 1972 | J, SNP, 15, 369, 1972 | |
| 40289 | J, YF, 19, (4), 715, 1974 | J, SNP, 19, 363, 1974 | |
| 40292 | J, YF, 20, (2), 252, 1974 | J, SNP, 20, 133, 1975 | |
| 40303 | J, YF, 19, (4), 748, 1974 | J, SNP, 19, 380, 1974 | |
| 40304 | J, YF, 9, (6), 1163, 1969 | J, SNP, 9, 680, 1969 | Page: was missing->1163 |
| 40306 | J, YF, 20, (6), 1096, 1974 | J, SNP, 20, 574, 1975 | Author: CORCALCIUC-> Korkalchuk, HOLMKVIST->Holmqvist |
| 40333 | J, YF, 20, (5), 852, 1974 | J, SNP, 20, 454, 1975 | |
| 40346 | J, YF, 23, (3), 512, 1976 | J, SNP, 23, 269, 1976 | |
| 40352 | J, YF, 22, 459, 1975 | J, SNP, 22, 236, 1975 | |
| 40361 | J, YF, 21, (4), 704, 1975 | J, SNP, 21, 363, 1975 | |
| 40362 | J, YF, 7, (3), 493, 1968 | J, SNP, 7, 310, 1968 | |
| 40366 | J, YF, 4, (5), 993, 1966 | J, SNP, 4, 713, 1967 | |
| 40398 | J, YF, 18, (4), 710, 1973 | J, SNP, 18, 364, 1974 | |
| 40401 | J, YF, 23, (6), 1159, 1976 | J, SNP, 23, 616, 1976 | |
| 40410 | J, YF, 22, (1), 3, 1975 | J, SNP, 22, 1, 1975 | |

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| 40414 | J, YF, 9, (6), 1129, 1969 | J, SNP, 9, 660, 1969 | |
| 40419 | J, YF, 10, (2), 233, 1969 | J, SNP, 10, 133, 1970 | |
| 40423 | J, YF, 17, (4), 703, 1973 | J, SNP, 17, 366, 1973 | |
| 40428 | J, YF, 24, (6), 1089, 1976 | J, SNP, 24, 570, 1976 | |
| 40447 | J, YF, 23, (5), 935, 1976 | J, SNP, 23, 492, 1976 | |
| 40450 | J, YF, 28, (2), 314, 1978 | J, SNP, 28, 159, 1978 | |
| 40462 | J, YF, 26, (6), 1137, 1977 | J, SNP, 26, 601, 1977 | |
| 40475 | J, YF, 25, 930, 1977 | J, SNP, 25, 495, 1977 | |
| 40477 | J, YF, 23, 1165, 1976 | J, SNP, 23, 619, 1976 | |
| 40478 | J, YF, 30, (1), 3, 1979 | J, SNP, 30, 1, 1979 | |
| 40479 | J, YF, 27, (1), 60, 1978 | J, SNP, 27, 31, 1978 | |
| 40520 | J, YF, 26, 947, 1977 | J, SNP, 26, 500, 1977 | |
| 40522 | J, YF, 26, (5), 942, 1977 | J, SNP, 26, 497, 1977 | |
| 40523 | J, YF, 16, 1161, 1972 | J, SNP, 16, 638, 1973 | As second reference |
| 40527 | J, YF, 25, (4), 732, 1977 | J, SNP, 25, 390, 1977 | |
| 40531 | J, YF, 26, (2), 234, 1977 | J, SNP, 26, 122, 1977 | |
| 40537 | J, YF, 26, (1), 14, 1977 | J, SNP, 26, 6, 1977 | |
| 40542 | J, YF, 23, (3), 512, 1976 | J, SNP, 23, 269, 1976 | As second reference, |
| 40545 | J, YF, 29, (2), 293, 1979 | J, SNP, 29, 144, 1979 | |
| 40556 | J, YF, 26, (5), 936, 1977 | J, SNP, 26, 494, 1977 | |
| 40557 | J, YF, 26, (6), 1151, 1977 | J, SNP, 26, 608, 1977 | |
| 40570 | J, YF, 26, (4), 691, 1977 | J, SNP, 26, 365, 1977 | |
| 40571 | J, YF, 31, (1), 39, 1980 | J, SNP, 31, 19, 1980 | |
| 40572 | J, YF, 31, (1), 13, 1980 | J, SNP, 31, 5, 1980 | |
| 40584 | J, YF, 37, (5), 1083, 1983 | J, SNP, 37, 641, 1983 | |
| 40591 | J, YF, 29, (3), 561, 1979 | J, SNP, 29, 285, 1979 | |
| 40593 | J, YF, 26, (5), 962, 1977 J, YF, 10, 491, 1969 | J, SNP, 26, 508, 1977 J, SNP, 10, 282, 1970 | |
| 40596 | J, YF, 28, (1), 16, 1978 | J, SNP, 28, 7, 1978 | |
| 40597 | J, YF, 40, (5), 1141, 1984 | J, SNP, 40, 726, 1984 | |
| 40598 | J, YF, 27, (1), 18, 1978 | J, SNP, 27, 9, 1978 | |
| 40599 | J, YF, 22, (5), 934, 1975 | J, SNP, 22, 486, 1975 | |
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| 40620 | J, YF, 34, (2), 299, 1981 | J, SNP, 34, 169, 1981 | |
| 40623 | J, YF, 37, (4), 801, 1983 | J, SNP, 37, 477, 1983 | |
| 40654 | J, YF, 25, (6), 1145, 1977 | J, SNP, 25, 607, 1977 | |
| 40655 | J, YF, 33, (4), 891, 1981 | J, SNP, 33, 467, 1981 | |
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| 40658 | J, YF, 35, (3), 542, 1982 | J, SNP, 35, 313, 1982 | |
| 40659 | J, YF, 36, (5), 1089, 1982 | J, SNP, 36, 637, 1982 | |
| 40675 | J, YF, 37, (6), 1357, 1983 | J, SNP, 37, 809, 1983 | |
| 40700 | J, YF, 15, (4), 666, 1972 | J, SNP, 15, 372, 1972 | |

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| 40826 | J, YF, 37, 819, 1983 | J, SNP, 37, 488, 1983 | AUTHORS from main Reference must be represented |
| 40844 | J, YF, 40, (4), 867, 1984 | J, SNP, 40, 552, 1984 | |
| 40856 | J, YF, 33, 620, 1981 | J, SNP, 33, 324, 1981 | |
| 40864 | J, YF, 39, (4), 794, 1984 | J, SNP, 39, 501, 1984 | |
| 40865 | J, YF, 39, (5), 1057, 1984 | J, SNP, 39, 665, 1984 | |
| 40869 | J, YF, 41, (3), 573, 1985 | J, SNP, 41, 365, 1985 | |
| 40913 | J, YF, 44, (1), 287, 1986 | J, SNP, 44, 179, 1986 | |
| 40934 | J, YF, 23, 1159, 1976 | J, SNP, 23, 616, 1976 | Page:1158->1159 |
| 40945 | J, YF, 44, (1), 3, 1986 | J, SNP, 44, 1, 1986 | |
| 40948 | J, YF, 44, (6), 1403, 1986 | J, SNP, 44, 912, 1986 | |
| 40949 | J, YF, 34, (5), 1158, 1981 | J, SNP, 34, 642, 1981 | |
| 40960 | J, YF, 50, (3), 609, 1989 | J, SNP, 50, 375, 1989 | |
| 40961 | J, YF, 48, (1), 20, 1988 | J, SNP, 48, 12, 1988 | |
| 40965 | J, YF, 47, (2), 320, 1988 | J, SNP, 47, 201, 1988 | |
| 40972 | J, YF, 45, (5), 1226, 1987 | J, SNP, 45, 761, 1987 | |
| 41005 | J, YF, 50, (6), 1531, 1989 | J, SNP, 50, 949, 1989 | Year:1990->1989 |
| 41030 | J, YF, 47, (3), 622, 1988 | J, SNP, 47, 395, 1988 | |
| 41040 | J, YF, 52, (4), 1025, 1990 | J, SNP, 52, 652, 1990 | |
| 41041 | J, YF, 50, (4), 922, 1989 | J, SNP, 50, 574, 1989 | |
| 41060 | J, YF, 58, (11), 1948, 1995 | J, PAN, 1841, 1995 | |
| 41082 | J, YF, 17, (3), 470, 1973 | J, SNP, 17, 240, 1973 | |
| 41096 | J, YF, 54, (5), 1209, 1991 | J, SNP, 54, 734, 1991 | |
| 41098 | J, YF, 52, 650, 1990 | J, SNP, 52, 419, 1990 | |
| 41107 | J, YF, 52, (3), 625, 1990 | J, SNP, 52, 401, 1990 | |
| 41108 | J, YF, 53, (3), 649, 1991 J, YF, 53, (3), 653, 1991 J, YF, 15, 34, 1972 J, YF, 16, 664, 1972 | J, SNP, 53, 406, 1991 J, SNP, 53, 409, 1991 J, SNP, 15, 20, 1972 J, SNP, 16, 372, 1973 | Page:665->664 |
| 41120 | J, YF, 56, (1), 31, 1993 | J, PAN, 56, 17, 1993 | |
| 41127 | J, YF, 55, (4), 865, 1992 | J, SNP, 55, 481, 1992 | |
| 41133 | J, YF, 55, (4), 890, 1992 | J, SNP, 55, 496, 1992 | |
| 41134 | J, YF, 56, (2), 23, 1993 J, YF, 54, 1192, 1991 | J, PAN, 56, 159, 1993 J, SNP, 54, 723, 1991 | |
| 41139 | J, YF, 56, (9), 13, 1993 | J, PAN, 56, 1157, 1993 | |
| 41142 | J, YF, 56, (12), 15, 1993 | J, PAN, 56, 1625, 1993 | |
| 41160 | J, YF, 57, (4), 545, 1994 | J, PAN, 57, 579, 1994 | Page:579->545 |
| 41161 | J, YF, 57, (4), 556, 1994 | J, PAN, 57, 590, 1994 | Page:590->556 |
| 41163 | J, YF, 57, (3), 387, 1994 | J, PAN, 57, 363, 1994 | |
| 41165 | J, YF, 57, (8), 1362, 1994 | J, PAN, 57, 1292, 1994 | |
| 41167 | J, YF, 57, (11), 1926, 1994 | J, PAN, 57, 1854, 1994 | |
| 41168 | J, YF, 58, (1), 15, 1995 | J, PAN, 58, 13, 1995 | |
| 41169 | J, YF, 58, (1), 27, 1995 | J, PAN, 58, 24, 1995 | |

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| 41190 | J, YF, 58, (12), 2127, 1995 | J, PAN, 58, 2013, 1995 | |
| 41195 | J, YF, 58, (2), 206, 1995 | J, PAN, 58, 164, 1995 | |
| 41196 | J, YF, 58, (8), 1347, 1995 | J, PAN, 58, 1265, 1995 | Page:1353->1347. |
| 41234 | J, YF, 59, (10), 1733, 1996 | J, PAN, 59, 1675, 1996 | |
| 41294 | J, YF, 60, (6), 970, 1997 | J, PAN, 60, 867, 1997 | |
| 41295 | J, YF, 60, (6), 981, 1997 | J, PAN, 60, 877, 1997 | |
| 41296 | J, YF, 61, (3), 389, 1998 | J, PAN, 61, 329, 1998 | |
| 41305 | J, YF, 11, 958, 1970 | J, SNP, 11, 533, 1970 | |
| 41310 | J, YF, 60, (3), 399, 1997 | J, PAN, 60, 329, 1997 | |
| 41319 | J, YF, 61, (9), 1547, 1998 | J, PAN, 61, 1437, 1998 | |
| 41376 | J, YF, 60, (10), 1733, 1997 | J, PAN, 60, 1579, 1997 | |
| 41404 | J, YF, 64, (7), 1329, 2001 J, YF, 59, (10), 1733, 1996 | J, PAN, 64, 1254, 2001 J, PAN, 59, 1675, 1996 | |
| 41417 | J, YF, 65, (5), 819, 2002 J, YF, 59, (10), 1733, 1996 | J, PAN, 65, 785, 2002 J, PAN, 59, 1675, 1996 | |
| 41434 | J, YF, 66, (1), 8, 2003 | J, PAN, 66, 6, 2003 | |
| 41435 | J, YF, 26, (5), 927, 1977 | J, SNP, 26, 489, 1977 | |
| 41445 | J, YF, 67, (7), 1257, 2004 | J, PAN, 67, 1233, 2004 | |
| 41500 | J, YF, 62, (8), 1358, 1999 | J, PAN, 62, 1279, 1999 | |
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| Area A | | | |
| A0031 | J, YF, 26, 26, 1977 | J, SNP, 26, 12, 1977 | Prelim trans A077 |
| A0043 | J, YF, 24, 1177, 1976 | J, SNP, 24, 617, 1976 | Prelim trans A077 |
| A0046 | J, YF, 28, 1154, 1978 | J, SNP, 28, 594, 1978 | Prelim trans A077 |
| A0051 | J, YF, 29, 1149, 1979 | J, SNP, 29, 591, 1979 | Prelim trans A077 |
| A0058 | J, YF, 29, (6), 1443, 1979 | J, SNP, 29, 740, 1979 | Prelim trans A077 |
| A0061 | J, YF, 30, (3), 618, 1979 | J, SNP, 30, 317, 1979 | Prelim trans A077 |
| A0068 | J, YF, 31, (3), 561, 1980 | J, SNP, 31, 291, 1980 | Prelim trans A077 |
| A0069 | J, YF, 31, 43, 1980 | J, SNP, 31, 22, 1980 | Prelim trans A077 |
| A0071 | J, YF, 31, (2), 306, 1980 | J, SNP, 31, 162, 1980 | Prelim trans A077 |
| A0077 | J, YF, 31, 1127, 1980 | J, SNP, 31, 582, 1980 | Prelim trans A077 |
| A0082 | J, YF, 30, (5), 1276, 1979 J, YF, 32, (2), 402, 1980 | J, SNP, 30, 665, 1979 J, SNP, 32, 208, 1980 | Prelim trans A077 |
| A0112 | J, YF, 37, 3, 1983 | J, SNP, 37, 1, 1983 | |
| A0114 | J, YF, 34, (3), 861, 1981 | J, SNP, 34, 480, 1981 | Prelim trans A077 |
| A0121 | J, YF, 39, 538, 1984 | J, SNP, 39, 340, 1984 | |
| A0131 | J, YF, 35, (5), 1092, 1982 | J, SNP, 35, 638, 1982 | |
| A0132 | J, YF, 35, (5), 1112, 1982 | J, SNP, 35, 651, 1982 | Prelim trans A077, Page:112->1112 |
| A0136 | J, YF, 36, 33, 1982 | J, SNP, 36, 19, 1982 | |
| A0163 | J, YF, 36, 561, 1982 | J, SNP, 36, 325, 1982 | |
| A0164 | J, YF, 36, 299, 1982 | J, SNP, 36, 174, 1982 | |
| A0220 | J, YF, 28, 1144, 1978 | J, SNP, 28, 589, 1978 | Prelim trans A077, |

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| A0221 | J,YF,31,1,1980 | J,SNP,31,1,1980 | Prelim trans A077 |
| A0261 | J,YF,33,41,1981 J,YF,28,1144,1978 | J,SNP,33,22,1981 J,SNP,28,589,1978 | |
| A0268 | J,YF,41,1435,1985 | J,SNP,41,910,1985 | |
| A0385 | J,YF,47,978,1988 | J,SNP,47,624,1988 | |
| A0476 | J,YF,52,640,1990 | J,SNP,52,412,1990 | Prelim trans A077 |
| A0578 | J,YF,59,592,1996 | J,PAN,59,560,1996 | Prelim trans A077 |
| A0583 | J,YF,59,2121,1996 | J,PAN,59,2041,1996 | Prelim trans A077 |
| A0594 | J,YF,33,1453,1981 | J,SNP,33,778,1981 | |
| A0597 | J,YF,51,318,1990 | J,SNP,51,202,1990 | Prelim trans A077 |
| A0650 | J,YF,6,17,1967 | J,SNP,6,12,1968 | Prelim trans A077 |
| A0668 | J,YF,45,614,1987 | J,SNP,45,384,1987 | |
| A0671 | J,YF,47,609,1988 | J,SNP,47,387,1988 | |
| A0750 | J,YF,34,312,1981 | J,SNP,34,177,1981 | |
| A0826 | J,YF,34,312,1981 | J,SNP,34,177,1981 | |
| A0830 | J,YF,57,2025,1994 | J,PAN,57,1949,1994 | Prelim trans A077 |
| A1102 | J,YF,10,(4),705,1969 | J,SNP,10,407,1970 | Prelim trans A077 |
| A1127 | J,YF,22,(2),225,1975 | J,SNP,22,115,1975 | Prelim trans A077 |
| A1253 | J,YF,29,(5),1137,1979 | J,SNP,29,585,1979 | Prelim trans A077 |
| A1301 | J,YF,48,(3),629,1988 | J,SNP,48,403,1988 | |
| A1482 | J,YF,19,(1),25,1974 | J,SNP,19,12,1974 | Prelim trans A077 |
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| Area F | | | |
| F0139 | J,YF,19,28,1974 | J,SNP,19,14,1974 | |
| F0140 | J,YF,10,1130,1969 | J,SNP,10,643,1970 | |
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