

Manuscript Object List and Table Header

the object list and machine-readable table header of a submitted astronomy manuscript, checked against the designation and table rules the journal and the Minor Planet Center publish | Marked-up specimen

<https://www.editfast.com/editing-services/astronomy>

A packed designation used where the readable form belongs, an order letter the scheme omits, three unit strings written against the stated rules, a long table promised in print at a length the journal will not print, and a null column with no flag.

ORIGINAL, WITH EDITS MARKED

SPECIMEN, PREPARED BY EDITFAST FOR ILLUSTRATION. NOT A REAL MANUSCRIPT.

Prepared for an unnamed author (fictitious submission), object list and table header

EXTRACT FROM THE AUTHOR'S RECORD (reproduced unchanged in both panels)

MS-1 Table 3 holds 620 data rows.⁴

MS-2 Column 4 of Table 3 is empty for 41 of those rows.⁴

MS-3 The paper introduces the acronym MFS for a survey catalog of the authors' own.

MS-4 The authors report velocities in kilometers per second and areas in square meters.⁴

MS-5 One target is the object the Minor Planet Center lists as 2007 TA418.

MS-6 The authors have not contacted any nomenclature registry.

MS-7 The authors report fluxes in kilojanskys.⁴

MS-8 The authors have prepared a machine readable version of Table 3.

MS-9 The byte-by-byte description for Table 3 has been drafted, column 4 is a numeric column, and it carries no null flag.

MS-10 The authors confirm that the 41 empty entries in column 4 are values they did not measure.

MS-11 A short example version of Table 3 has been prepared for the manuscript.

SECTION 2. TARGETS AND TABLES

2.1 Our primary target is K07Tf8A.¹

2.2 A second target received the provisional designation 2019 QI3.²

2.3 Table 3 lists all 620 rows and appears in full below.³

2.4 Velocities are given in km^4 / s^4 .

2.5 Areas are given in m^2 .⁵

2.6 Fluxes are given in Jy1000.⁶

2.7 Column 4 carries a measured index for most rows.⁴

WHAT CHANGED, AND WHY

#	Was	Now	Reason
1	2.1 Our primary target is K07Tf8A.	2.1 Our primary target is 2007 TA418.	MS-5 gives the readable designation. The center describes the packed form as what is stored on the orbit and observations, and its own example table pairs K07Tf8A with 2007 TA418. A manuscript sentence is not one of those records.
2	2.2 A second target received the provisional designation 2019 QI3.	2.2 A second target received the provisional designation 2019 Q[order letter to be supplied].	Q is a valid half-month letter, for August 16 to 31. The letter in the second position gives the order within that half-month, and the center's order table runs A for the first through Z for the twenty-fifth with "I is omitted" printed beneath it. The string as written cannot be right, and which letter belongs there is a matter for the authors and the record.
3	2.3 Table 3 lists all 620 rows and appears in full below.	2.3 Table 3 holds 620 data rows. The full table is supplied in machine readable format, and the short example version appears below.	MS-1 puts the table at 620 rows, MS-8 records the machine readable version, and MS-11 records the short example version. Above 400 data lines the journal prints only that example, so the draft promised something the journal will not print.
4	2.4 Velocities are given in km / s.	2.4 Velocities are given in km/s.	The unit rules require a single word with no space. The slash is the division operator and takes no space on either side.
5	2.5 Areas are given in m ² .	2.5 Areas are given in m2.	A power is written with nothing between the symbol and the exponent. The caret is not one of the operators the rules list.
6	2.6 Fluxes are given in Jy1000.	2.6 Fluxes are given in kJy.	MS-7 records the authors' unit as the kilojansky. A simple unit is a basic unit symbol preceded where needed by a multiple prefix, Jy is a listed symbol, and k is a listed prefix, so kJy is the form the rules give. Under the same rules a numeral written after a symbol is a power, so Jy1000 does not say kilojansky at all.
7	2.7 Column 4 carries a measured index for most rows.	2.7 Column 4 carries a measured index for most rows, and its byte-by-byte entry carries a question mark flag in the Explanations field.	MS-2 records 41 empty rows, MS-9 records a numeric column with no flag, and MS-10 records that the entries were not measured. The flag is how the Explanations field states that null values are permitted there, and the author's own qualification stands.