

Record Format

COLUMNS	DATA TYPE	FIELD	DEFINITION
1 - 6	Record name	"ATOM "	
7 - 11	Integer	serial	Atom serial number.
13 - 16	Atom	name	Atom name.
17	Character	altLoc	Alternate location indicator.
18 - 20	Residue name	resName	Residue name.
22	Character	chainID	Chain identifier.
23 - 26	Integer	resSeq	Residue sequence number.
27	AChar	iCode	Code for insertion of residues.
31 - 38	Real(8.3)	x	Orthogonal coordinates for X in Angstroms.
39 - 46	Real(8.3)	y	Orthogonal coordinates for Y in Angstroms.
47 - 54	Real(8.3)	z	Orthogonal coordinates for Z in Angstroms.
55 - 60	Real(6.2)	occupancy	Occupancy.
61 - 66	Real(6.2)	tempFactor	Temperature factor.
73 - 76	LString(4)	segID	Segment identifier, left-justified.
77 - 78	LString(2)	element	Element symbol, right-justified.
79 - 80	LString(2)	charge	Charge on the atom.

Example

22:Chain

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recnamserno atnm res cres# |--x---| |--y---| |--z---| occupatempfa seq#ElQQ
      1      2      3      4      5      6      7      8
123456789012345678901234567890123456789012345678901234567890
ATOM 145 N VAL A 25 32.433 16.336 57.540 1.00 11.92 A1 N
ATOM 146 CA VAL A 25 31.132 16.439 58.160 1.00 11.85 A1 C
ATOM 147 C VAL A 25 30.447 15.105 58.363 1.00 12.34 A1 C
ATOM 148 O VAL A 25 29.520 15.059 59.174 1.00 15.65 A1 O
ATOM 149 CB AVAL A 25 30.385 17.437 57.230 0.28 13.88 A1 C
ATOM 150 CB BVAL A 25 30.166 17.399 57.373 0.72 15.41 A1 C
ATOM 151 CG1AVAL A 25 28.870 17.401 57.336 0.28 12.64 A1 C
ATOM 152 CG1BVAL A 25 30.805 18.788 57.449 0.72 15.11 A1 C
ATOM 153 CG2AVAL A 25 30.835 18.826 57.661 0.28 13.58 A1 C
ATOM 154 CG2BVAL A 25 29.909 16.996 55.922 0.72 13.25 A1 C

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seq# left justified