

Fortran	python	Notes
field=pyoasis.asarray(field[, dtype])	Make sure that field is a numpy asfortran array of the required dtype (optional argument defaulting to numpy.float64) The call can be skipped if field is already so	
CALL oasis_put (var_id, date, fld1, info, fld2, fld3, fld4, fld5, write_restart)	var.put(time, field[, write_restart])	var is a previously defined object of the Var class field has been checked by pyoasis.asarray Bundle are supported (bundle index is the last index) Bicubic and conservative 2nd extra fields not supported. write_restart boolean optional argument for triggering a NetCDF dump of the sent field. Returned value is to be compared against the Oasis Parameters enumeration (in long or short syntax)
CALL oasis_get (var_id, date, fld, info)	var.get(time, field)	field has to be preallocated and checked by pyoasis.asarray Returned value is to be compared against the Oasis Parameters enumeration (in long or short syntax)
CALL oasis_terminate (ierror)	del comp / nothing	oasis terminates at the comp object destruction, either explicitly by del comp or automatically at garbage collection on exit
CALL oasis_get_debug(debug_value)	comp.debug_level pyoasis.get_debug()	Coded as a property of a Component object or as a standalone function
CALL oasis_set_debug(debug_value)	comp.debug_level = debug_value pyoasis.set_debug(debug_value)	Coded as a setter for a Component object property or as a standalone function
CALL oasis_put_inquire(var_id, date, kinfo)	var.put_inquire(time)	var is a Var object. Returned value is to be compared against the Oasis Parameters enumeration (in long or short syntax)
CALL oasis_get_ncpl(var_id, ncpl, kinfo) CALL oasis_get_freqs(var_id, mop, ncpl, cpl_freqs, kinfo)	var.cpl_freqs	Coded as a property of a Var object. Returns an iterable list
CALL oasis_get_intercomm(new_comm, cdnam, kinfo)	comp.get_intercomm(comp_name)	Coded as a method of a Component object.
CALL oasis_get_intracomm(new_comm, cdnam, kinfo)	comp.get_intracomm(comp_name)	Coded as a method of a Component object.
CALL oasis_get_multi_intracomm(new_comm, cdnam, root_ranks, kinfo)	comp.get_multi_intracomm(complist)	Coded as a method of a Component object. Returns a pair of values: the new comm and a dictionary associating root ranks (values) to component names (keys)
CALL oasis_abort (compid, routine_name, abort_message, file, line, rcode)	raise PyOasisException(text) raise OasisException(text, error)	Preferred use of exceptions over an abort function