

KERVIDY-NAIZIN

Stations	Atmospheric variables			Hydrological variables			Other physical variables			Chemical variables			
	variable	time step	1rst date	variable	time step	1rst date	variable	time step	1rst date	variable	time step	1rst date	
1 weather station	air and soil T° global radiation + PAR	1 h	1993							Bulk in rain water : NO ₃ , Cl, SO ₄ , NH ₄ , Ca, Mg, Na, total N	1/ month	2013	
	wind speed and direction rain humidity									Bulk in rain water : O ¹⁸ , H ²	1/month	2017	
1 flux tower	net radiation + PAR air T° + humidity atmospheric Pressure Rain heat flux wind speed and direction	30 min	2015							CO ₂ flux to atmosphere	20 Hz	2015	
	Soil moisture (-5, -20, -50 cm) actual ET	30 min 20 Hz	2015 2015	soil T°, EC	30 min	2015							
Kervidy outlet										NO ₃	1 day + 15 min + 5 storms/year	1993 (>daily), 1999 (daily), 2010 (15 min)	
										T°		2010	
				stream level	1 min	1994			10 min		DOC	1 day + 15 min + 5 storms/year	1999 (daily), 2010 (15 min)
											SO ₄ , Cl	1 day + 5 storms/year	1993 (>daily), 1999 (daily)
											EC		2013
										DIC	1 day + 5 storms/year	1999 (daily)	
										Turbidity	3 day + 1/month + 5 storms/year	2007-2018 (3 days), 2018 (1/month)	

							total P, SRP*	1 day + 30 min + 5 storms/year	2007 (biweekly), 2013 (daily), 2016 (30 min)
							O ¹⁸ , H ²	1/month	2017
Kervidy outlet's hyporheic zone				T°	10 min	2010			
							NO ₃ , SO ₄ , Cl, DOC, DIC	4/year	2000
9 piezometers	water table level	15 min	1998	T°	10 min	2007 or 2010	soil solution concentration in NO ₃ , SO ₄ , Cl, DOC, DIC, SRP, Fe II	1 week to 1 month	2013
1 piezometer	water table level	15 min	1998	T°	15 min	2010	NO ₃ , SO ₄ , Cl, DOC, DIC	4/year	2000
	Soil moisture (-5cm)	30 min	2013	Soil T° (-5 cm)	30 min	2013	NO ₃ , SO ₄ , Cl, DOC, DIC	4/year	2000
2 piezometers	water table level	4/year	1998	T°	15 min	2010	NO ₃ , SO ₄ , Cl, DOC, DIC	4/year	2000