

SUL 2-15		Heating time: 60 s measured 02/15/2012 Irr 50 J=0.0008041±0.00000019343														BLANKS 10minutes																
Italy, Sulmona		Power % full power	40Ar Moles	40Ar V	±1σ V	39Ar V	±1σ V	38Ar V	±1σ V	37Ar V	±1σ V	36Ar V	±1σ V	D <sub>1</sub>	%1σ	% 40Ar*	Age ka	±1σ ka	Ca/K	±1σ	40Ar Moles	40Ar V	±1σ V	39Ar V	±1σ V	38Ar V	±1σ V	37Ar V	±1σ V	36Ar V	±1σ V	
N	N																															
N1100-01	12	1.968E-15	1.446E-03	2.314E-06	2.696E-03	1.887E-06	4.051E-05	1.377E-07	9.087E-06	5.452E-08	3.090E-07	1.582E-08	1.00904	0.2	98.1	765.9	± 4.5	32.0	0.3	1.248E-17	9.823E-06	1.965E-07	1.012E-07	1.194E-08	6.598E-09	6.532E-09	1.000E-09	9.900E-10	2.045E-07	2.045E-08		
N1100-02	12	1.705E-15	1.254E-03	2.759E-06	2.238E-03	3.133E-06	3.368E-05	1.044E-07	7.350E-06	5.880E-08	4.270E-07	7.686E-09	1.00901	0.2	95.0	774.4	± 4.9	32.9	0.3	1.248E-17	9.823E-06	1.965E-07	1.012E-07	1.194E-08	6.598E-09	6.532E-09	1.000E-09	9.900E-10	2.045E-07	2.045E-08		
N1100-03	12	1.492E-15	7.462E-04	1.399E-03	1.819E-06	2.020E-05	1.091E-07	3.896E-06	4.675E-08	2.150E-07	2.150E-08	1.00893	0.2	99.7	769.2	± 9.1	38.8	0.5	1.248E-17	9.823E-06	1.965E-07	1.012E-07	1.194E-08	6.598E-09	6.532E-09	1.000E-09	9.900E-10	2.045E-07	2.045E-08			
N1100-04	12	1.848E-15	1.357E-03	1.764E-06	2.439E-03	2.195E-06	3.706E-05	1.223E-07	6.494E-06	5.845E-08	4.364E-07	9.164E-09	1.00903	0.2	94.6	767.2	± 4.3	38.3	0.4	1.033E-17	8.137E-08	1.221E-07	8.213E-08	1.429E-08	4.675E-09	4.628E-09	1.228E-08	1.203E-08	1.787E-07	2.019E-08		
N1100-05	12	1.342E-15	9.877E-04	1.580E-06	1.579E-03	2.211E-06	2.375E-05	1.045E-07	5.268E-06	7.950E-07	2.327E-08	1.00897	0.2	84.8	771.1	± 8.6	38.0	0.4	1.033E-17	8.137E-08	1.221E-07	8.213E-08	1.429E-08	4.675E-09	4.628E-09	1.228E-08	1.203E-08	1.787E-07	2.019E-08			
N1100-06	12	1.597E-15	1.174E-03	1.658E-06	2.158E-03	3.021E-07	3.164E-05	1.266E-07	6.312E-06	6.943E-08	2.389E-07	2.078E-08	1.00900	0.2	98.6	781.2	± 6.0	34.9	0.5	1.033E-17	8.137E-08	1.221E-07	8.213E-08	1.429E-08	4.675E-09	4.628E-09	1.228E-08	1.203E-08	1.787E-07	2.019E-08		
N1100-07	12	9.186E-16	6.796E-04	1.291E-06	1.251E-03	1.501E-06	1.912E-05	1.147E-07	4.027E-06	3.624E-08	2.067E-07	1.406E-08	1.00892	0.2	98.8	774.5	± 5.8	31.8	0.4	1.152E-17	9.073E-08	1.633E-07	7.587E-08	2.018E-08	3.410E-09	3.376E-09	2.764E-08	1.202E-08	1.697E-07	1.712E-09		
N1100-08	12	1.242E-15	9.157E-04	2.106E-06	1.639E-03	1.967E-06	2.397E-05	1.438E-07	3.471E-06	3.471E-07	1.562E-08	1.00896	0.2	94.4	765.9	± 5.1	48.4	0.6	1.152E-17	9.073E-08	1.633E-07	7.587E-08	2.018E-08	3.410E-09	3.376E-09	2.764E-08	1.202E-08	1.697E-07	1.712E-09			
N1100-09	12	1.822E-15	1.339E-03	1.205E-07	2.338E-03	2.571E-06	3.592E-05	1.078E-07	7.332E-06	1.100E-07	4.765E-07	1.477E-08	1.00902	0.2	93.5	780.2	± 3.5	32.6	0.5	1.152E-17	9.073E-08	1.633E-07	7.587E-08	2.018E-08	3.410E-09	3.376E-09	2.764E-08	1.202E-08	1.697E-07	1.712E-09		
N1100-10	12	1.919E-15	1.410E-03	1.410E-06	2.423E-03	1.938E-06	3.685E-05	1.327E-07	8.255E-06	5.448E-08	6.048E-07	1.270E-08	1.00904	0.2	90.9	770.3	± 3.2	30.0	0.3	1.152E-17	9.073E-08	1.633E-07	7.587E-08	2.018E-08	3.410E-09	3.376E-09	2.764E-08	1.202E-08	1.697E-07	1.712E-09		
N1100-11	12	1.824E-15	1.339E-03	1.071E-06	1.799E-03	1.979E-06	2.765E-05	1.383E-07	1.578E-05	9.456E-08	1.462E-06	2.485E-08	1.00902	0.2	71.8	778.7	± 8.0	11.4	0.1	9.637E-18	7.588E-08	1.214E-07	1.012E-07	2.591E-08	6.580E-09	6.514E-09	5.160E-09	5.108E-09	1.229E-07	1.942E-08		
N1100-12	12	1.108E-15	8.165E-04	1.633E-06	1.497E-03	2.395E-06	2.202E-05	1.101E-07	4.969E-06	5.466E-08	1.930E-07	9.650E-09	1.00894	0.2	97.7	773.8	± 6.6	30.1	0.4	9.637E-18	7.588E-08	1.214E-07	1.012E-07	2.591E-08	6.580E-09	6.514E-09	5.160E-09	5.108E-09	1.229E-07	1.942E-08		
N1100-13	12	1.168E-15	8.598E-04	2.579E-06	1.399E-03	1.702E-06	4.266E-05	1.706E-07	4.296E-06	8.592E-08	5.493E-07	5.108E-08	1.00895	0.2	85.9	767.2	± 16.7	32.5	0.7	9.637E-18	7.588E-08	1.214E-07	1.012E-07	2.591E-08	6.580E-09	6.514E-09	5.160E-09	5.108E-09	1.229E-07	1.942E-08		
N1100-14	12	1.957E-15	1.439E-03	2.015E-06	2.584E-03	1.434E-06	3.920E-05	1.725E-07	8.252E-06	6.002E-08	5.026E-07	2.764E-08	1.00904	0.2	94.4	765.4	± 5.7	26.8	0.3	1.320E-17	1.040E-08	1.559E-08	4.145E-07	2.073E-08	1.576E-08	1.387E-08	4.982E-08	4.932E-08	2.138E-07	1.604E-08		
N1100-15	12	2.039E-15	1.499E-03	2.698E-06	2.791E-03	5.861E-06	4.086E-05	1.634E-07	6.966E-06	5.909E-08	3.290E-07	1.119E-08	1.00905	0.2	97.9	765.5	± 4.0	36.5	0.5	1.320E-17	1.040E-08	1.559E-08	4.145E-07	2.073E-08	1.576E-08	1.387E-08	4.982E-08	4.932E-08	2.138E-07	1.604E-08		
N1100-16	12	2.703E-15	1.983E-03	3.173E-06	3.581E-03	3.581E-06	5.290E-05	1.746E-07	6.055E-06	6.055E-08	5.366E-07	1.556E-08	1.00913	0.2	95.4	770.4	± 3.4	50.8	0.7	1.320E-17	1.040E-08	1.559E-08	4.145E-07	2.073E-08	1.576E-08	1.387E-08	4.982E-08	4.932E-08	2.138E-07	1.604E-08		
N1100-17	12	1.930E-15	1.419E-03	2.129E-06	2.548E-03	4.274E-06	4.116E-05	1.646E-07	5.785E-06	5.207E-08	4.150E-07	2.780E-08	1.00903	0.2	96.0	778.3	± 5.8	37.9	0.5	1.320E-17	1.040E-08	1.559E-08	4.145E-07	2.073E-08	1.576E-08	1.387E-08	4.982E-08	4.932E-08	2.138E-07	1.604E-08		
N1100-18	12	2.336E-15	1.714E-03	2.742E-06	3.093E-03	4.021E-06	4.581E-05	8.704E-08	7.105E-06	5.116E-08	4.801E-07	8.162E-09	1.00907	0.2	95.3	770.5	± 3.1	37.2	0.4	1.145E-17	9.016E-08	1.803E-08	1.369E-07	2.286E-08	5.370E-09	5.316E-09	1.349E-08	1.635E-09	1.962E-07	1.373E-08		
N1100-19	12	1.412E-15	1.039E-03	1.559E-06	1.834E-03	4.218E-06	2.815E-05	1.436E-07	2.732E-06	4.357E-08	8.571E-08	1.00898	0.2	93.6	770.7	± 20.0	57.7	1.0	1.145E-17	9.016E-08	1.803E-08	1.369E-07	2.286E-08	5.370E-09	5.316E-09	1.349E-08	1.635E-09	1.962E-07	1.373E-08			
N1100-20	12	1.207E-15	8.902E-04	1.246E-06	1.661E-03	1.827E-06	2.410E-05	9.640E-08	4.785E-06	5.264E-08	2.300E-07	4.600E-08	1.00896	0.2	99.1	770.5	± 12.3	29.7	0.4	1.145E-17	9.016E-08	1.803E-08	1.369E-07	2.286E-08	5.370E-09	4.726E-09	1.349E-08	1.635E-09	1.962E-07	1.373E-08		
N1100-21	12	2.262E-15	1.660E-03	3.104E-06	2.970E-03	2.079E-06	4.342E-05	1.042E-07	6.886E-06	5.764E-08	5.180E-07	8.288E-08	1.00908	0.2	94.5	770.4	± 2.9	36.8	0.3	1.145E-17	9.016E-08	1.803E-08	1.369E-07	2.286E-08	5.370E-09	4.726E-09	1.349E-08	1.635E-09	1.962E-07	1.373E-08		

D<sub>1</sub> Mass discrimination per AMU based on power law

Interfering isotope production ratios		Standard	ACs-2
(40Ar/39Ar)k	8.439 E-04 ± 25 %	Age	1.193 ± 0.02 Ma
(36Ar/37Ar)Ca	4.034 E-04 ± 5.96%	Irr time	105 minutes
(39Ar/37Ar)Ca	5.288 E-04 ± 25 %	Reactor	Osiris 70Mw (France)
(38Ar/37Ar)Ca	1.447 E-04 ± 26 %		
Atmospheric argon ratios			
(40Ar/36Ar)A	295.5 ± 0.5		
(40Ar/38Ar)A	0.1880 ± 0.0001		
Decay constants (S-1 1977)			
40K le	(5.81 ± 0.00)E-11 a-1		
40K lb	(4.962 ± 0.000)E-10 a-1		

	Age ka	± 1s (analytical)	± 1s (external)	MSWD
Weighted Mean age	771.30	1.00	8.30	0.99
Inverse Isochron (40Ar/36Ar)int (1σ)	769.80	2.40	8.30	0.95
	305.5 ± 7.8			

SUL 2-16		Heating time: 60 s measured 02/15/2011 Irr 50 J=0.0007429±0.00000014858														BLANKS 10minutes															
Italy, Sulmona		Power % full power	40Ar Moles	40Ar V	±1σ V	39Ar V	±1σ V	38Ar V	±1σ V	37Ar V	±1σ V	36Ar V	±1σ V	D <sub>1</sub>	%1σ	% 40Ar*	Age ka	±1σ ka	Ca/K	±1σ	40Ar Moles	40Ar V	±1σ V	39Ar V	±1σ V	38Ar V	±1σ V	37Ar V	±1σ V	36Ar V	±1σ V
N1102-01	12	9.047E-16	6.686E-04	1.404E-06	9.789E-04	1.859E-06	2.108E-05	1.476E-07	4.114E-06	5.801E-08	5.463E-07	7.375E-09	1.00892	0.2	85.2	779.1	± 9.2	23.8	0.4	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-02	12	8.101E-16	5.996E-04	9.646E-04	1.541E-06	1.514E-05	7.570E-08	4.054E-06	2.487E-07	1.306E-08	1.00891	0.2	94.8	812.9	± 10.1	23.8	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08			
N1102-03	12	1.768E-15	1.299E-03	1.819E-06	1.378E-03	1.791E-06	2.000E-05	8.000E-08	5.000E-06	5.000E-08	1.938E-06	2.713E-08	1.00902	0.2	61.6	782.3	± 10.6	27.6	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-04	12	2.335E-15	1.713E-03	2.056E-06	2.685E-03	2.148E-06	4.110E-05	1.233E-07	1.215E-05	7.655E-08	7.291E-07	1.772E-08	1.00908	0.2	91.3	785.8	± 4.4	22.1	0.2	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-05	12	2.244E-15	1.645E-03	2.303E-06	1.845E-03	2.768E-06	2.781E-05	5.562E-08	8.305E-06	6.063E-08	2.152E-06	1.119E-08	1.00907	0.2	95.3	785.0	± 5.2	21.8	0.2	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-06	12	2.247E-15	1.647E-03	2.306E-06	2.283E-03	2.511E-06	3.546E-05	1.260E-07	1.058E-05	6.242E-08	1.298E-06	1.389E-08	1.00907	0.2	80.2	786.0	± 4.0	21.2	0.2	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-07	12	7.725E-15	5.710E-04	1.199E-06	1.456E-07	1.768E-06	4.879E-05	8.790E-08	2.428E-06	1.356E-08	1.356E-08	1.00890	0.2	94.5	778.6	± 4.6	37.8	0.6	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08		
N1102-08	12	1.115E-15	8.210E-04	1.478E-06	1.060E-03	1.802E-06	1.622E-05	6.488E-08	4.032E-06	3.226E-08	6.820E-07	1.207E-08	1.00894	0.2	75.1	781.6	± 6.6	25.8	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-09	12	9.930E-16	7.326E-04	1.719E-06	1.089E-03	1.306E-06	1.693E-05	1.016E-07	4.910E-06	3.928E-08	4.914E-07	1.376E-08	1.00893	0.2	86.8	783.6	± 8.4	21.7	0.2	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-10	12	4.395E-15	3.213E-03	4.691E-06	2.805E-03	2.805E-03	2.805E-03	2.805E-03	2.805E-03	2.805E-03	2.805E-03	2.805E-03	1.00901	0.2	94.5	782.4	± 10.6	27.6	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-11	12	1.151E-15	8.479E-04	2.110E-06	1.391E-03	1.669E-06	2.144E-05	1.072E-07	3.382E-06	3.382E-06	3.121E-07	1.795E-08	1.00894	0.2	94.5	773.7	± 7.4	40.4	0.5	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-12	12	1.475E-15	1.084E-03	1.692E-06	1.726E-03	2.071E-06	2.671E-05	1.068E-07	4.088E-06	2.453E-08	4.510E-07	1.037E-08	1.00898	0.2	92.1	778.3	± 5.3	41.5	0.4	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-13	12	1.834E-15	1.348E-03	1.618E-06	2.216E-03	3.324E-06	4.477E-05	1.671E-07	5.318E-06	5.318E-06	4.025E-07	1.530E-08	1.00903	0.2	93.8	768.3	± 4.3	41.2	0.7	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-14	12	2.664E-15	1.954E-03	2.736E-06	3.110E-03	3.914E-06	4.688E-05	1.391E-07	6.672E-06	4.836E-08	6.066E-07	2.097E-08	1.00912	0.2	89.9	787.0	± 4.0	31.2	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-15	12	2.799E-15	2.052E-03	3.078E-06	2.664E-03	3.996E-06	4.128E-05	1.445E-07	6.246E-06	6.246E-06	1.969E-08	2.875E-08	1.00913	0.2	75.4	784.1	± 5.6	36.4	0.7	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-16	12	2.309E-15	1.694E-03	2.372E-06	1.526E-03	1.894E-06	2.339E-05	7.935E-08	4.977E-06	3.765E-08	3.044E-08	2.758E-08	1.00908	0.2	91.7	773.8	± 5.9	26.2	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-17	12	1.680E-15	1.245E-03	2.032E-06	1.353E-03	1.653E-06	2.045E-05	1.072E-07	3.382E-06	3.382E-06	3.121E-07	1.795E-08	1.00894	0.2	94.5	773.7	± 7.4	40.4	0.5	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-18	12	1.445E-15	8.446E-04	1.267E-06	1.349E-03	1.619E-06	2.056E-05	8.224E-08	4.557E-06	3.828E-08	4.160E-07	1.206E-08	1.00895	0.2	95.0	781.4	± 5.6	25.3	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-19	12	1.347E-15	9.806E-04	1.783E-06	1.550E-03	2.480E-06	2.346E-05	8.680E-08	3.252E-06	3.320E-07	7.968E-09	1.00897	0.2	93.2	818.1	± 4.2	40.7	0.6	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08		
N1102-20	12	9.954E-16	7.337E-04	1.394E-06	1.177E-03	1.765E-06	1.813E-05	9.790E-08	3.129E-06	2.065E-08	3.352E-07	7.710E-09	1.00893	0.2	93.4	781.3	± 5.0	31.7	0.4	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-21	12	1.607E-15	1.180E-03	2.478E-06	1.866E-03	2.612E-06	2.896E-05	1.158E-07	5.064E-06	5.570E-08	5.007E-07	1.220E-08	1.00900	0.2	91.9	782.7	± 4.3	31.0	0.4	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-22	12	1.505E-15	1.106E-03	1.548E-06	1.627E-03	2.114E-06	2.936E-05	1.025E-07	6.417E-06	5.780E-07	1.478E-08	1.00899	0.2	85.5	781.0	± 5.5	37.7	0.9	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08		
N1102-23	12	2.079E-15	1.525E-03	1.677E-06	1.663E-03	2.328E-06	2.737E-05	1.095E-07	3.612E-06	4.493E-08	2.167E-06	2.643E-08	1.00906	0.2	63.2	781.8	± 8.0	16.6	0.2	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-24	12	1.916E-15	1.245E-03	2.032E-06	1.353E-03	1.653E-06	2.045E-05	1.072E-07	3.382E-06	3.382E-06	3.121E-07	1.795E-08	1.00894	0.2	94.5	773.7	± 7.4	40.4	0.5	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-25	12	2.705E-15	1.984E-03	3.373E-06	2.805E-03	3.506E-06	4.312E-05	1.294E-07	4.845E-06	6.755E-08	1.754E-06	1.930E-08	1.00913	0.2	77.3	778.6	± 5.7	57.9	1.0	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-26	12	1.902E-15	1.398E-03	2.237E-06	2.057E-03	1.851E-06	3.098E-05	9.294E-08	7.364E-06	1.555E-08	1.754E-06	1.989E-08	1.00904	0.2	81.2	784.2	± 6.7	27.9	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-27	12	1.499E-14	1.095E-02	8.762E-06	2.401E-03	2.641E-06	4.225E-05	7.818E-08	8.840E-06	5.696E-08	3.404E-05	1.089E-07	1.01053	0.2	12.2	795.2	± 48.2	27.2	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	
N1102-28	12	3.774E-15	2.763E-03	3.316E-06	2.735E-03	3.822E-06	4.192E-05	1.115E-07	6.677E-06	8.129E-08	4.617E-06	3.417E-08	1.00925	0.2	54.3	782.8	± 8.7	28.3	0.3	1.049E-17	8.263E-06	2.066E-07	9.090E-07	1.945E-07	2.845E-09	2.817E-09	2.236E-08	1.565E-08	1.985E-07	2.064E-08	

SUL 2-22		Heating time: 60 s measured 02/14/2011 Irr 50															J=0.0007576± 0.0000001515															BLANKS 10minutes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Power		40Ar		± 1σ		39Ar		± 1σ		38Ar		± 1σ		37Ar		± 1σ		36Ar		± 1σ		D <sub>1</sub>		%1σ		% 40Ar*		Age		± 1σ		Ca/K		± 1σ		40Ar		40Ar		± 1s		39Ar		± 1s		38Ar		± 1s		37Ar		± 1s		36Ar		± 1s																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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D<sub>1</sub> Mass discrimination per AMU based on power law

Bold italic font: crystals excluded from the weighted mean age calculation

Interfering isotope production ratios

(40Ar/39Ar) <sub>k</sub>	8.439 E-04 ± 25 %	Standard	ACs-2
(36Ar/37Ar) <sub>Ca</sub>	4.034 E-04 ± 5.96%	Age	1.193 ± 0.02 Ma
(39Ar/37Ar) <sub>Ca</sub>	5.288 E-04 ± 25 %	Irr time	105 minutes
(38Ar/37Ar) <sub>Ca</sub>	1.447 E-04 ± 26 %	Reactor	Osiris 70Mw (France)

Atmospheric argon ratios

(40Ar/36Ar) <sub>A</sub>	295.5 ± 0.5
(40Ar/38Ar) <sub>A</sub>	0.1880 ± 0.0001

Decay constants (S-1 1977)

40K <i>le</i>	(5.81 ± 0.00)E-11 a-1
40K <i>lb</i>	(4.962 ± 0.000)E-10 a-1

	Age ka	± 1s (analytical) ka	± 1s (external) ka	MSWD
Weighted mean age	792,6	1,2	8,5	0,5
Inverse Isochron (40Ar/36Ar) <sub>int</sub> (1σ)	793,0	3,0	8,8	0,5
	294.8 ± 4.5			