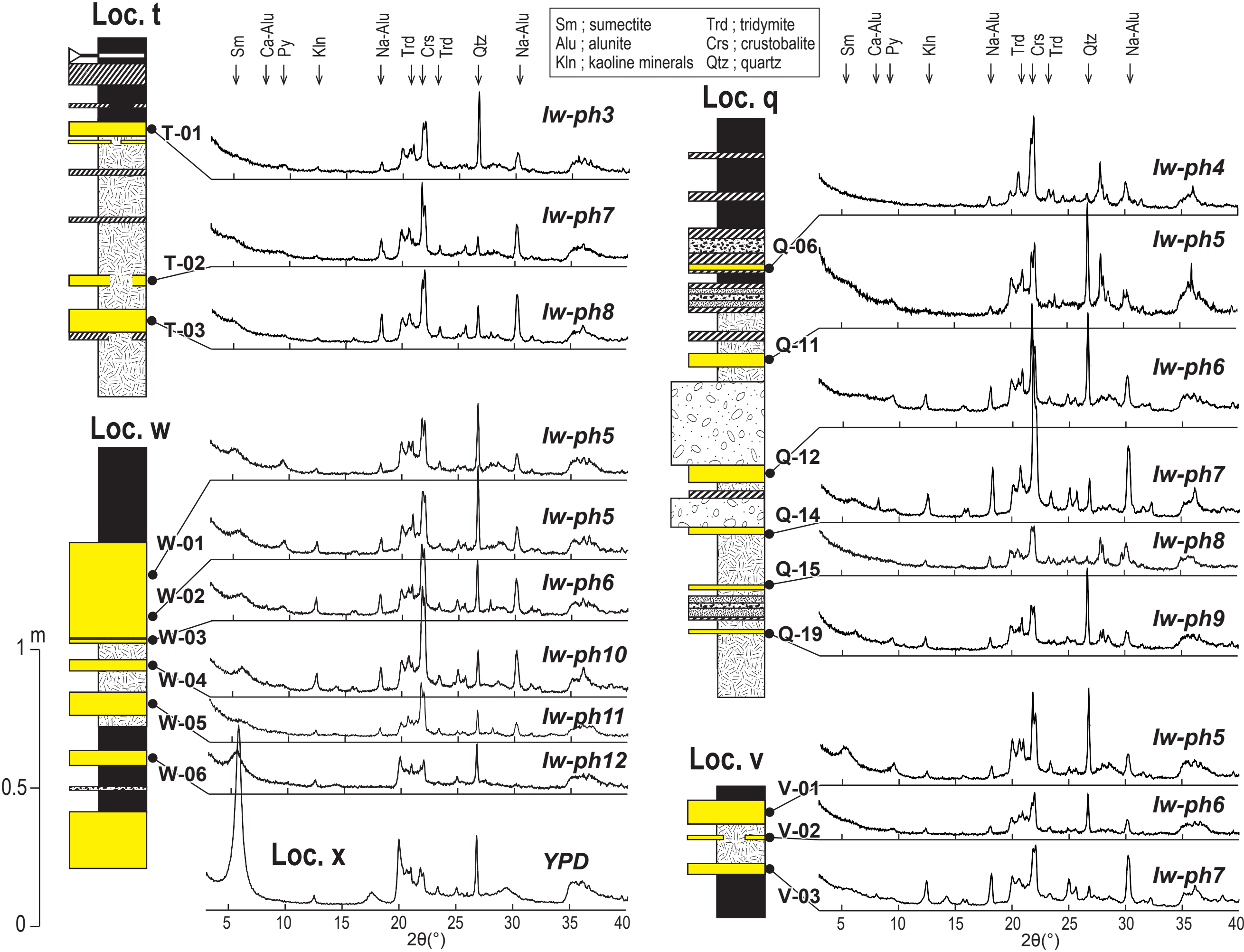




Unit	Sample ID	XRD Peak Intensity (cps)						XRD Peak Intensity (relative ratio, %)					
		Sm	Pyr	Kln	Crs	Qtz	Alu	r-Sm	r-Pyr	r-Kal	r-Crt	r-Qtz	r-Alu
Iw-ph02	S-01	175	116	546	1243	3129	557	3.0	2.0	9.5	21.6	54.3	9.7
Iw-ph03	T-01		171	176	1797	3510	750		2.7	2.7	28.1	54.8	11.7
Iw-ph04	Q-06				2648	424	930				66.2	10.6	23.2
Iw-ph05	Q-11	+	139	+	1018	2323	365	+	3.6	+	26.5	60.4	9.5
	V-01	410	441	327	3242	3801	975	4.5	4.8	3.6	35.3	41.3	10.6
	W-01	329	373	250	1960	3094	818	4.8	5.5	3.7	28.7	45.3	12.0
	W-02	304	370	528	2244	3829	1035	3.7	4.5	6.4	27.0	46.1	12.5
Iw-ph06	Q-12		411	680	4214	4203	1383		3.8	6.2	38.7	38.6	12.7
	V-02	+	131	276	984	1727	645	+	3.5	7.3	26.1	45.9	17.1
	W-03	315	241	658	2639	2365	1524	4.1	3.1	8.5	34.1	30.5	19.7
Iw-ph07	F-01	1014	165	788	6571	2268	1318	8.4	1.4	6.5	54.2	18.7	10.9
	Q-14	188	199	974	7054	1520	2891	1.5	1.6	7.6	55.0	11.9	22.5
	T-02	197	150	191	3029	863	1497	3.3	2.5	3.2	51.1	14.6	25.3
	V-03	+	153	1012	1999	643	2139	+	2.6	17.0	33.6	10.8	36.0
	G-01	1905	168	870	5465	1695	1647	16.2	1.4	7.4	46.5	14.4	14.0
Iw-ph08	Q-15			310	1492	1219	928			7.9	37.8	30.9	23.5
	T-03	213	142	197	2319	1499	2090	3.3	2.2	3.0	35.9	23.2	32.4
Iw-ph09	Q-19	313	313	533	1496	3466	715	4.6	4.6	7.8	21.9	50.7	10.5
Iw-ph10	O-01	136	+	94	1658	521	728	4.3	+	3.0	52.9	16.6	23.2
	W-04	399	169	692	4029	1554	1721	4.7	2.0	8.1	47.0	18.1	20.1
YPD	X-01	5948		394	981	2827	367	58.6		3.9	9.7	27.9	3.5
Iw-ph11	M-01		164	312	2729	993	1546		2.9	5.4	47.5	17.3	26.9
	W-05	187	+	275	2070	1109	601	4.4	+	6.5	48.8	26.1	14.2
	Y-01			1165	634					0.1	64.7	35.2	
Iw-ph12	W-06	592		335	532	1810	151	17.3		9.8	15.6	52.9	4.4
	Y-02	773		294	500	3354	152	15.2		5.8	9.9	66.1	3.0

"+" : There is a low and broad peak, which have less than about 100 cps

"Alu" indicates for Na-alunite for Iw-ph1 to Iw-ph12, and for Fe-alunite for YPD

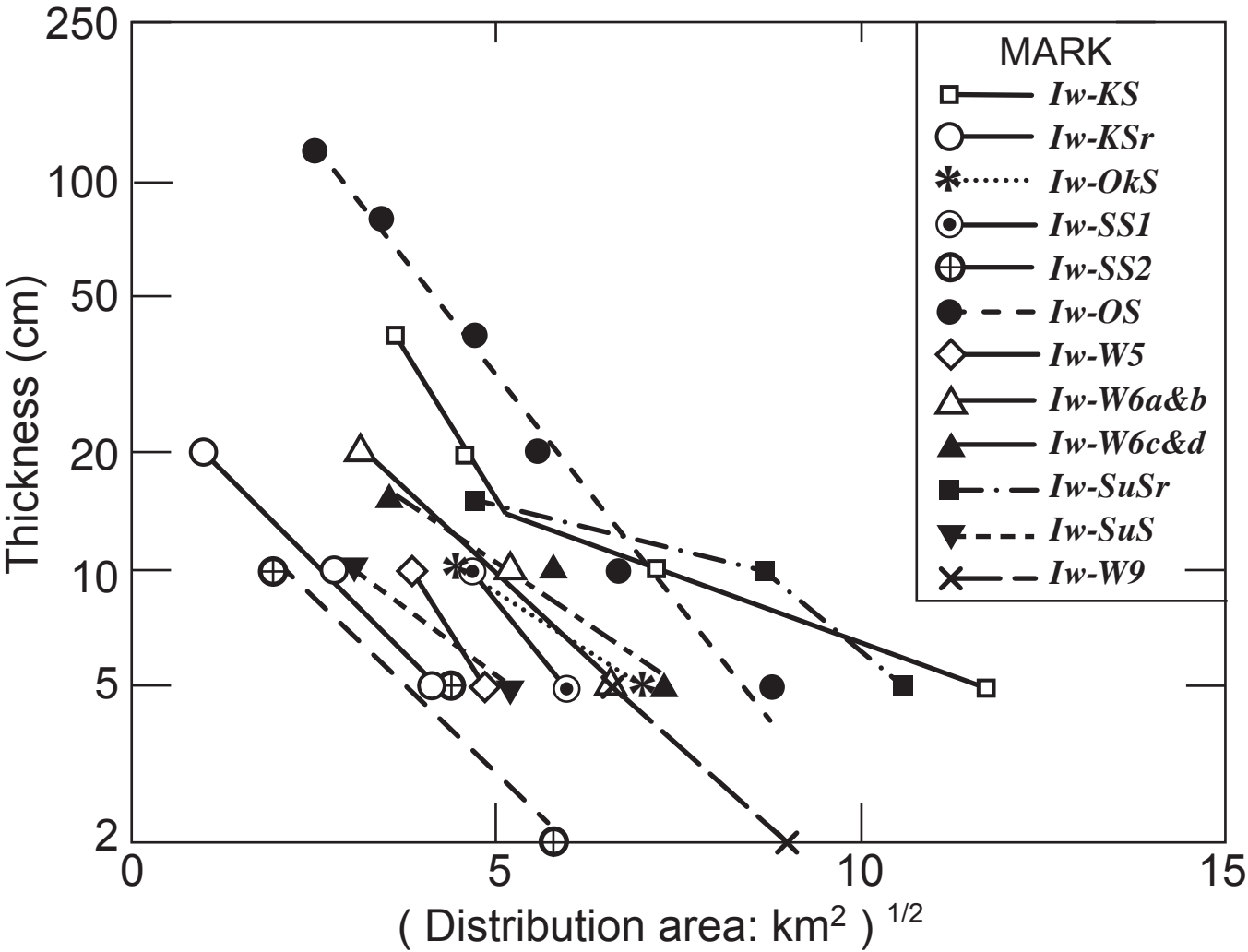
Used Software: Peak Search for Windows (ver.6.1) by Rigaku Corporation

Analized condition: Smoothing filter; weighted avarage (5 points) ,

Back ground removal; based on Sonneveld-Vissel (1975)

Peak search; Peak width threshold 0.20

"r-Sm", "r-Pyr", "r-Kln" ,,, shows the relative ratio, which is caluculated by normalized to 100% for each sample.



Annex 4 伊藤ほか (岩手山)

	$V = 2T_0/(k^2)$ *1		Volume	Specific	Weight	Volume	Remark
	T_0	k	(km^3)	gravity	(kg)	($\text{DRE}; \text{km}^3$)	
Iw-KS Total					4.42E-02	1.77E-02	
Iw-KS	5.403E-03	0.717	3.928E-02	1.0	3.93E-02	1.57E-02	Interception; A=5.10
Iw-KSr	3.059E-04	0.155					
Iw-KSr	3.195E-04	0.442	3.273E-03	1.5	4.91E-03	1.96E-03	
Iw-OkS	3.419E-04	0.274	9.107E-03	1.0	9.11E-03	3.64E-03	
Iw-SS Total					1.14E-02	4.55E-03	
Iw-SS1	1.253E-03	0.542	8.533E-03	1.0	8.53E-03	3.41E-03	
Iw-SS2	2.304E-04	0.403	2.837E-03	1.0	2.84E-03	1.13E-03	
Iw-OdS	4.774E-03	0.540	3.274E-02	1.0	3.27E-02	1.31E-02	
Iw-W5	1.319E-03	0.675	5.791E-03	1.2	6.95E-03	2.78E-03	
Iw-W6 Total					2.72E-02	1.09E-02	
W6 a&b	7.368E-04	0.403	9.074E-03	1.2	1.09E-02	4.36E-03	
W6 c&d	4.375E-04	0.284	1.030E-02	1.5	1.63E-02	6.51E-03	
Iw-SuS Total					3.02E-02	1.21E-02	
Iw-SuSr	2.310E-03	0.363	1.666E-02	1.5	2.50E-02	1.00E-02	Interception ; A=8.65
	2.428E-04	0.103					
Iw-SuS	2.597E-04	0.317	5.169E-03	1.0	5.17E-03	2.07E-03	
Iw-W9	6.410E-04	0.385	8.649E-03	1.0	8.65E-03	3.46E-03	

*1 : T_0 is the extrapolated thickness at $A=0$, k is the slope of the line on a $\ln T$ versus A (1/2).
refer from Fierstein and Nathenson (1992) ,