

ISOTOPIC AGE DATA

TECTONOSTRATIGRAPHIC UNITS OF CENTRAL CUBA

Sample No.	Material	Technique	Age (Ma)	Rock Type
ESCAMBRAY UNIT				
F-89-1	Hornblende	K-Ar	255 ± 7	Eclogite
"	Zircon	U-Pb*	102 ± 2	"
"	Paragonite	K-Ar	75 ± 4	"
F-94	Phengite	K-Ar	66 ± 1	Blueschist
"	Glaucophane	K-Ar	56 ± 3	"
F-94-1	Glaucophane	K-Ar	210 ± 13**	Blueschist
"	Phengite	K-Ar	68 ± 1	"
F-50-7	Paragonite	K-Ar	73 ± 4	Eclogite
F-25-10	Paragonite	K-Ar	68 ± 2	Metabasite
MANICARAGUA UNIT				
J-68-3	Muscovite	K-Ar	84 ± 1	Undeformed Pegmatite cutting amphibolite
AMPHIBOLITES				
PG-1	Hornblende	K-Ar	77 ± 8	Amphibolite
PMC-4	Whole-rock	K-Ar	52 ± 1	Hornblende-Kspar gneiss
META-GRANITOIDS				
C-57	Hornblende	K-Ar	85 ± 1	Banded Quartz Diorite
C-60	Zircon	U-Pb*	89 ± 2	"
F-60-2	Hornblende	K-Ar	73 ± 2	Orthogneiss
"	Biotite	K-Ar	73 ± 2	"
J-66-1	Hornblende	K-Ar	95 ± 2	Orthogneiss
"	Biotite	K-Ar	70 ± 1	"
J-66-4	Hornblende	K-Ar	78 ± 3	Orthogneiss
"	Biotite	K-Ar	69 ± 2	"
J-77	Hornblende	K-Ar	84 ± 3	Orthogneiss
"	Biotite	K-Ar	73 ± 1	"

* 238U/206Pb and 235U/207Pb dates concordant; 2 size fractions each

** Suspected excess Ar hosted by graphite inclusions

TABLE 1

Sample locations shown in Figure 1

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Rb-Sr ISOTOPIC DATA FOR MANICARAGUA GRANITOIDS

SAMPLE	MATERIAL	Rb (ppm)	Sr (ppm)	Rb/Sr	$^{87}\text{Rb}/^{86}\text{Sr}$	$^{87}\text{Sr}/^{86}\text{Sr}$
J-66-4	Whole rock	25.6	268.0	0.096	0.278	0.70325
J-66-4	Hornblende	13.8	79.1	0.174	0.505	0.70375
J-66-4	Biotite	159.1	43.5	3.660	10.590	0.71440
J-77	Whole rock	12.7	385.0	0.033	0.095	0.70301
J-77	Plagioclase	2.0	263.0	0.008	0.022	0.70282
C-57	Whole rock	59.0	658.0	0.090	0.259	0.70370